



Biology - FND
**Institute of
Freshwater
Ecology**

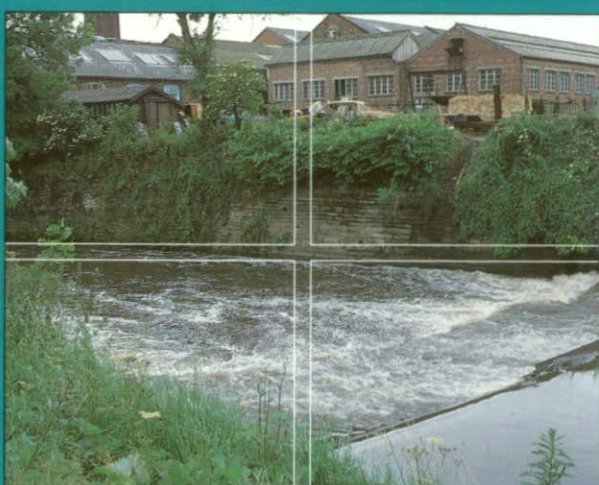
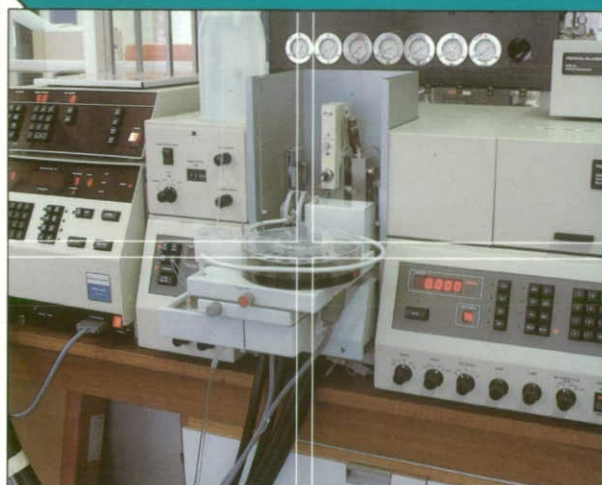
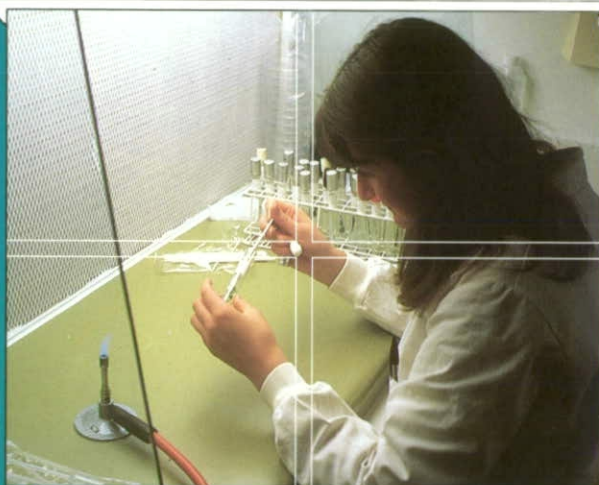
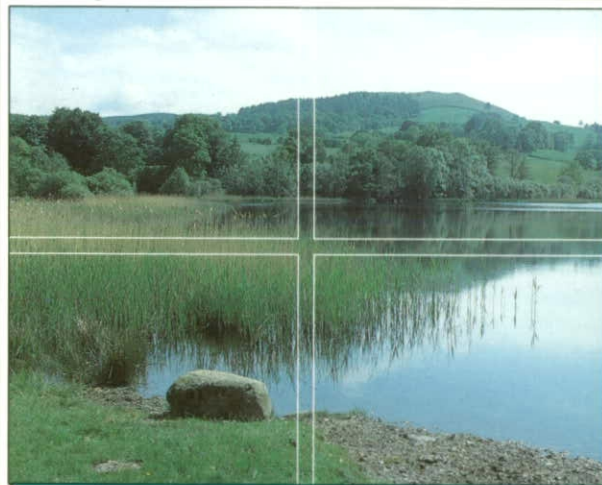
NRA RIVER HABITAT SURVEY 1995 - SURVEY SHEETS ENGLAND AND WALES Part III Site Nos 3805-4516

**F H Dawson PhD CBiol FIBiol; J A B Bass; J H Blackburn BSc;
G D Collett HND; C M Case BSc GIBiol; M de Ville BA; N E Ellis PhD;
N J Grieve BSc; I D M Gunn MSc; I T B Harris MSc; P Henville;
D D Hornby MSc; A Kirika HNC; M D Lane BSc; J J Leach MSc;
D North BA; H G Orr BSc; P Scarlett MSc; J M Winder PhD CBiol MIBiol**

Report To: National Rivers Authority, Bristol

CEH Project No: T04073H4

IFE Report Ref.No: RL/T04073H4/3





**Institute of
Freshwater
Ecology**

River Laboratory
East Stoke
Wareham
Dorset BH20 6BB

**NRA RIVER HABITAT SURVEY 1995 -
SURVEY SHEETS ENGLAND AND WALES
Part III Site Nos 3805-4516**

**F H Dawson PhD CBiol FIBiol; J A B Bass; J H Blackburn BSc;
G D Collett HND; C M Case BSc GIBiol; M de Ville BA; N E Ellis PhD;
N J Grieve BSc; I D M Gunn MSc; I T B Harris MSc; P Henville;
D D Hornby MSc; A Kirika HNC; M D Lane BSc; J J Leach MSc;
D North BA; H G Orr BSc; P Scarlett MSc; J M Winder PhD CBiol MIBiol**

Project Leader: F H Dawson
Report Date: July 1995
Report To: National Rivers Authority, Bristol
CEH Project No: T04073H4
IFE Report Ref.No: RL/T04073H4/β₁₄

5

NRA RIVER HABITAT SURVEY 1995 IFB P.1 A

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3808

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 50856607 River: SALWARPE

Date: 2.15.1995 Time: 7.25 Surveyor name: G.C. White

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) Special features: ☐ (tick one box) Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorgo ☒ asymmetrical floodplain + notes/pools downstream

☐ concave/oval

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [H] then indicate total number)

Riffles 2 Unvegetated point bars

Pools 2 Vegetated point bars

IFB - Ind - See survey notes

National Rivers Authority

DATES: record prepared validated date/line

NRA RIVER HABITAT SURVEY 1995 TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide zone)

Spot check 1 is at: upstream end of site (tick one) 1 2 3 4 5 6 7 8 9 10

LEFT BANK

Bank material (one) BE, SO, CO, GL, LA, PE, CL EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NO, AI, RI, PC, AN, EM NO NO NO NO NO NO NO NO NO NO

Bank feature(s) AK, NO, IC, SC, PS, VP, IS, VS NO NO NO NO NO NO NO NO NO NO

CHANNEL

Channel substrate (one) KY, RE, BO, CO, CP, SI, SL, CL, AR CF CL CL CL CL CL GS GS GS GS

Flow type (one) FF, OR, LW, UP, CP, AP, UP, SH, NP, NO SM SM SM SM RP SM SM SM SM

Channel modification(s) AK, NO, IC, SC, PS, VP, IS, VS NO NO NO NO NO NO NO NO NO NO

Channel feature(s) NO, SO, IS, VS, ML, TR NO NO NO NO NO NO NO NO NO NO

RIGHT BANK

Bank material (one) BE, SO, CO, GL, LA, PE, CL EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NO, AI, RI, PC, AN, EM NO NO NO NO NO NO NO NO NO NO

Bank feature(s) AK, NO, IC, SC, PS, VP, IS, VS NO NO NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, HM, SC, RP, BL, GW, JO, TL, IV

LAND USE WITHIN 5m OF BANKTOP (L) 1G 1G 2 1G 1G 1G 1G 1G 1G 1G

LEFT BANK-TOP (structure within 1m) BAUSAC U S S S S U U U U U

LEFT BANK FACE (structure) BAUSAC S S S B U U S S U U

RIGHT BANK FACE (structure) BAUSAC S U S S S S S S S S

RIGHT BANK-TOP (structure within 1m) BAUSAC S U S U U U C S U U

LAND USE WITHIN 5m OF BANK TOP (R) 1G 1G F 1G 1G 1G BL BL 1G 1G

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use 1 (2, 3, 4, 5) or 6 (present))

NONE (tick) Plant genera (tick one)

Liverworts ☐ Mosses/lichens ☐ Emergent broad-leaved herbs ☐ Emergent reeds/sedges/rushes ☐ Floating-leaved (rooted) ☐ Free-floating ☐ Amphibious ☐ Submerged - broad-leaved ☐ Submerged fine-leaved ☐ Filament, algae ☐

Use end 'catch-all' column for types not occurring in spot checks

PLANTS - Use 1st 4 letters of Genus or Botanical Name + species if possible or Pot. part + botanical part

Repeat 1

SITE NO. 3808 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (2, 3, 4) banklength) or ✓ if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		✓	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	E
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (2, 3, 4) banklength) or ✓ if present

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Reinforced		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (> 45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Compound			Artificial two stages		
Use this space to draw profile if different from above, after making perpendicular line			Peached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per bank)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present	Notes
None	✓		Shading of channel		✓	
Isolated/scattered			Overhanging boughs	✓		
Regularly spaced, single		✓	Exposed bankside roots		✓	
Occasional clumps			Underwater tree roots	✓		
Semi-continuous			Fallen trees	✓		
Continuous			Coarse woody debris	✓		

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present	Notes
Waterfall(s) - free-fall	✓		Marginal deadwater - slack		✓	
Cascades(s) - chute	✓		Exposed bedrock		✓	
Step/pool sequence	✓		Exposed boulders		✓	
Rapids(s) - whitewater	✓		Unvegetated mid-channel bars	✓		
Riffle-pool sequence	✓		Vegetated mid-channel bars	✓		
Run(s) - disturbed, rippled		✓	Mature island(s)	✓		
Boil(s) - upwellings		✓	Unvegetated side bars	✓		
Glide(s) - smooth, no eddies		✓	Vegetated side bars	✓		

Have you completed your responses from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site)

LEFT BANK Banktop width (m) 11.00 RIGHT BANK

Banktop height (m) 0.75 Water width (m) 10.0 Banktop height (m) 0.60

Embanked height (m) Water depth (m) 1.50 Embanked height (m)

If bankline lower than banktop break in slope, indicate height (m)

Bed material at site: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement loc: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFR only)

M. ARTIFICIAL FEATURES (Use [H] indicate total number)

None ☐ Number of Culverts = 2 Weirs = 1

Is water level controlled by weir/dam downstream? No ☐ Yes ☐ Part of site ☐ South of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ weed cutting ☐ other ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate)

CHANNEL Waterfalls > 5m high ☐ Artificial open water ☐ Braided/wide channels ☐ Natural open water ☐ Debris dams ☐ Water meadow ☐ Leafy debris ☐ Fen ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? ☒ YES ☐ NO

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1 or 2)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompt and key words in box)

Descriptive sentence: To a section running and sloping down from the top of the bank to the water level. Plants of note: willow, sedge, reed, etc.

Major conservation features:

Major impacts:

Incidental observations (animals etc):

IFB Chemical sample taken ☒ Filtered ☐

S. DISPERSED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other ☐

SEND COMPLETED FORMS TO HUGH DAWSON, IFB, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed! for forwarding - labels supplied

NRA RIVER HABITAT SURVEY 1995 IFE M.A.A. Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? ☒ No Navigation? ☒ No

B FIELD SURVEY DETAILS

Reference network site number: 3810
Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SP086614 River: ARROW
Date: 2.1.5/1995 Time: 1:30 Surveyor name: G.C. M.A. M.A. M.A. M.A.
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None
End of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box) with site map? ☒
Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes on diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10, then indicate total number)

Riffles 7 Unvegetated point bars 1
Pools 3 Vegetated point bars 0
IFE - 1000 - 500 (use 1-10)

National Rivers Authority

DATES: record present unaltered future changes

NRA RIVER HABITAT SURVEY 1995 TEN SPOT CHECKS Page 2 of 4

Riffles 11111 Pools 111

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide zone)

Spot check 1 is at: upstream and downstream of site (tick one)

	1	2	3	4	5	6	7	8	9	10	Notes
LEFT BANK (looking downstream)											
Bank material (one)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	SC	NO	NO	SC	NO	SC	NO	NO	NO	NO	
CHANNEL NOTE (Use sketch of channel)											
Channel substrate (one)	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	
Flow type (one)	UW	SM	RP	UW	RP	UW	RP	UW	RP	UW	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK (looking upstream)											
Bank material (one)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	RS	NO	NO	RS	RS	RS	NO	RS	NO	
Bank feature(s)	SB	NO	NO	EC	NO	VS	SC	NO	EC	NO	

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, DM, SC, SP, SL, SW, TL, TV

	TL	RP	RP	TL	TL	SC	TL	TL	TL	TL
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP (structure within 1m)	BAUC	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure)	BAUC	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	BAUC	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	BAUC	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	T	TL	SC	TL	SC	CP	CP	TL

G CHANNEL VEGETATION TYPES (fill in relevant boxes)

one entry: use E (1-33% area) or V (greater)

Plant group (tick one)	Plant species (tick one)										
NONE (tick)											
Emergent broad-leaved herbs	Phalaris										
Emergent reeds/rushes	Phalaris										
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine-leaved											
Filamentous algae											

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

PLANTS - Use list of plants of British Isles + species if possible of British Isles + plants of British Isles

NRA RIVER HABITAT SURVEY 1995 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (1-33% bank length) or V if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilted land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (1-33% bank length) or V if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gully			Reinforced - toe only		
Competitive			Artificial two-stage		
Use sketch to show profile of bank from site + other features			Peached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per bank)

TREES	Left	Right	WATER	E ≥ 33%	None	Present E	NO YES
None							
Isolated/scattered							
Regularly spaced, single							
Concentrated clumps							
Semi-continuous							
Continuous							

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present E	NO YES
Shading of channel			
Overhanging boughs			
Exposed bankside roots			
Underwater tree roots			
Fallen trees			
Coarse woody debris			

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E	None	Present E	NO YES
Waterfall(s) - freefall			Marginal deadwater - slack		
Cascade(s) - chain			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - white-water			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Race(s) - disturbed, rippled			Mature island(s)		
Bed(s) - upwelling			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

Use sketch to show profile of bank from site + other features

NRA RIVER HABITAT SURVEY 1995 DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	1.7	Banktop height (m)
Embanked height (m)	1.6	Embanked height (m)

If trassline lower than banktop break in slope, indicate height (m) 1.8 width (m) 1.8

Bank material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use E (1-33% bank length) or V if present)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water level controlled by weir/dam downstream? No ☒ Yes ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: None
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box)

CHANNEL	FLOODPLAIN (50m corridor)	Bog	Other (state)
Waterfalls > 5m high	Artificial open water		
Braided/riffle channels	Natural open water		
Debris dams	Water meadow		
Leafy debris	Fen		

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use E (1-33% bank length) or V if present)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: None

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Small river, lower 100m shows signs of recent management. Little plant life in channel.
Plants of note: None
Major conservation features: None
Major impacts: None
Incidental observations (animals etc): None
Incidental observations (plants etc): None

IFE 2000-2001 survey by G.C. M.A. M.A. M.A. M.A.

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other disease: None State: None

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - labels supplied separately

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3812

Mid-section grid reference of network site if different from designated location: SP 210642 (According to map!)

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SP 205641 River: CLAVEGTON BROOK

Date 4.1.5.1995 Time: 1.2.55 Surveyor name: G.C. MARY (tick one box)

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

End of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☒ Yes ☐ (tick one box) (tick as appropriate)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain + notes/other features

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 4 Unvegetated point bars

Pools 3 Vegetated point bars

FE-P-1 - See notes

National Rivers Authority

Notes: head of stream joined visible debris checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ of site ☒ downstream ☐ (tick one box)

LEFT BANK (left bank description)

Bank material (fine) EA EA EA EA GA EA EA EA EA

Bank modification(s) NO NO NO NO NO NO NO NO NO

Bank features(s) VS NO VP NO NO NO NO NO NO NO

CHANNEL NOTE (tick one box)

Channel substrate (fine) GP SI SI SI SI SI SI SI GP AP AP

Flow type (fine) RP SA SA SA SA SA SA SA RP

Channel modification(s) NO NO NO NO NO NO NO NO NO

Channel features(s) NO NO NO NO NO NO NO NO NO

RIGHT BANK (right bank description)

Bank material (fine) EA EA EA EA GA EA EA EA EA

Bank modification(s) NO PC NO NO NO NO NO NO NO

Bank features(s) NO NO NO NO NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from FL, CP, PM, SC, AP, WL, GW, NO, TL, SU (tick one box)

LAND USE WITHIN 5m OF BANKTOP (L) SU SU LK BL SU BL BL BL LK LK

LEFT BANK-TOP (structure within 1m) SU SU SU SU SU SU SU SU

LEFT BANK FACE (structure) SU SU SU SU SU SU SU SU

RIGHT BANK FACE (structure) SU SU SU SU SU SU SU SU

RIGHT BANK-TOP (structure within 1m) SU SU SU SU SU SU SU SU

LAND USE WITHIN 5m OF BANK TOP (R) LK LK LK RP RP RP RP RP RP RP

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or / (green))

NONE (tick one box) Plant green (tick one box)

Liverworts mosses/liverworts ☐

Emergent broad-leaved herbs ☒

Emergent reeds ☒

Phragmites ☒

Free-floating ☐

Amphibious ☒

Submerged ☐

Submerged fine-leaved ☐

Filament, algae ☒

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

Notes: Use 1-10 for types of trees or plants in vegetation + species of plants or plants in vegetation

Repeat 1

SITE NO. 3812 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantations (CP)			Open water (OW)		
Moorland/heath (DH)			Improved/band-improved grass (IG)		E
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)		E	Suburban/urban development (SU)		E

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/modification		
Vertical/undercut	7	7	Recessed		
Vertical + toe	7		Reinforced - whole bank	7	7
Slope (> 45°)	7	E	Reinforced - top only		
Gentle	7	E	Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predetermined box			Peached		E
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	NOTES	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E	NOTES
None	<input type="checkbox"/>	<input type="checkbox"/>		Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E	NOTES
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Roe(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Glides(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Have you completed your exercises from this week? (Send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	4.5	RIGHT BANK
Banktop height (m)	1.5	Water width (m)	2.1
Embankment height (m)		Water depth (m)	0.05

If trashline lower than banktop break in slope, indicate: height (m) 0.9 width (m) 3.5

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (FE only)

M ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = 2 Outfalls = 1 Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☒ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10 then indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Small channel - choked at top.

Plants of note: (see list) Wood-rand 1st in middle, GP below.

Major conservation features:

Major impacts: Dredged in past due to silting.

Incidental observations (animals etc):

IF 2 channels seen by left bank, 1 filled in.

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BN

Envelopes supplied! Post completed form for processing. Labels supplied separately

NRA RIVER HABITAT SURVEY 1995: 10 SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source (km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3814

Mid-section grid reference of network site (if different from designated location):

COMPLETE THIS FOLLOWING FOR ALL SITES

Grid Reference: SP 413692 River: LEAM

Date: 14.5.1995 Time: 13.00 Surveyor name: TR. TH. PH. L. AK. TH.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with 50m x 1m

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + NATURAL/ARTIFICIAL

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 2 Unvegetated point bars 1

Pools 1 Vegetated point bars 1

IFE - in 1 - 500m (100m)

National Rivers Authority

THES. Record 10/5

planned

valley

channel

NRA RIVER HABITAT SURVEY 1995: 10 SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ of site ☒ (tick one)

LEFT BANK (tick one box)

Bank material (fine) FE, PO, CO, CL, SL, LE, CL

Bank modification(s) ☒ NO, SL, FC, SL, EM

Bank feature(s) ☒ NO, NO, SC, SC, FC, FC, FC, FC

CHANNEL NOTE (tick one box)

Channel substrate (fine) FE, PO, CO, CL, SL, LE, CL

Flow type (fine) FE, PO, CO, CL, SL, LE, CL

Channel modification(s) ☒ NO, NO, FC, SL, EM

Channel feature(s) ☒ NO, NO, SC, SC, FC, FC, FC, FC

RIGHT BANK (tick one box)

Bank material (fine) FE, PO, CO, CL, SL, LE, CL

Bank modification(s) ☒ NO, SL, FC, SL, EM

Bank feature(s) ☒ NO, NO, SC, SC, FC, FC, FC, FC

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CP, RM, SC, LP, PL, OW, SO, IL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK TOP (structure within 1m) BAUSC

LEFT BANK FACE (structure) BAUSC

RIGHT BANK TOP (structure within 1m) BAUSC

RIGHT BANK FACE (structure) BAUSC

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use R (≥ 33% area) or E (less than 33% area))

NONE (tick one box)

Emergent broad-leaved beds ☒ Plant species (list in notes)

Emergent narrow-leaved beds ☒ Plant species (list in notes)

Free-floating ☒ Plant species (list in notes)

Amphibious ☒ Plant species (list in notes)

Submerged ☒ Plant species (list in notes)

Submerged fine-leaved ☒ Plant species (list in notes)

Filament, algae ☒ Plant species (list in notes)

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or R)

PLANTS - Use tick boxes of types of plants, ferns, algae and species if possible of both parts of stream, particularly

REPEAT! SITE NO. 3814 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or R (if present))

Broadleaf/mixed woodland (BL) ☒ Wetland (eg bog, marsh, fen) (WLD) ☐

Coniferous plantation (CP) ☐ Open water (OW) ☐

Moorland/heath (MH) ☐ Improved/semi-improved grass (IG) ☒

Scrub (SC) ☐ Tilled land (TL) ☐

Rough pasture (RP) ☐ Suburban/urban development (SU) ☐

I. BANK PROFILES (Use E (≥ 33% banklength) or R (if present))

Natural/unmodified ☒ Artificial/modified ☐

Vertical/undercut ☒ Resectioned ☐

Vertical + toe ☒ Reinforced - whole bank ☐

Steep (> 45°) ☒ Reinforced - top only ☐

Geared ☒ Reinforced - toe only ☐

Composite ☒ Artificial two-stage ☐

Use this space to draw profile if different from above, after ticking predetermined box

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

Left Right W1E3 E ≥ 33% None Present E Notes

None ☒ ☐ Shading of channel ☐ ☒ ☐

Isolated/scattered ☒ ☐ Overhanging boughs ☐ ☒ ☐

Regularly spaced, single ☐ ☐ Exposed bank-side roots ☐ ☒ ☐

Occasional clumps ☐ ☐ Underwater tree roots ☐ ☒ ☐

Semi-continuous ☐ ☐ Fallen trees ☐ ☒ ☐

Continuous ☐ ☐ Coarse woody debris ☐ ☒ ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☒ ☐ Marginal dead-water - slack ☐ ☒ ☐

Canal(s) - chute ☐ ☐ Exposed bedrock ☐ ☒ ☐

Step/pool sequence ☐ ☐ Exposed boulders ☐ ☒ ☐

Rapid(s) - subriver ☐ ☐ Unvegetated mid-channel bars ☐ ☒ ☐

Riffle/pool sequence ☐ ☐ Vegetated mid-channel bars ☐ ☒ ☐

Run(s) - disturbed, rippled ☐ ☐ Mature island(s) ☐ ☒ ☐

Boil(s) - upwellings ☐ ☐ Unvegetated side bars ☐ ☒ ☐

Glide(s) - smooth, no eddies ☐ ☐ Vegetated side bars ☐ ☒ ☐

Have you completed your expenses form this week? (send to FWD for signature!)

PA4012.1

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 10.5 RIGHT BANK

Banktop height (m) 2.5 Water width (m) 2.5 Banktop height (m) 4.4

Banktop height (m) 2.5 Water depth (m) 0.5 Banktop height (m) 4.4

If trashline lower than banktop break in slope, indicate: height (m) 2.5 width (m) 10.5

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) ☐

M. ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 1 Roadbridges = 1 Outfalls = 1 Fords = 1

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: None

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state): None

Bridled/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Larval debris ☐ Fan ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use E or R)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: None

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Meandering channel - clay GP substrate

Plants of note: See list 1/2 way along reach: steep bank RHS 4.5m

Major conservation features: Planting of small BL along part of RHS bank

Major impacts: None

Incidental observations (animals etc): None

IFE 2 channel bank to bank 10m

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: None

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for planning. Labels supplied separately

PA4012.1

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/m) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source (km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3816
Mid-section grid reference of network site (if different from designated location):
COMPLETE THE FOLLOWING FOR ALL SITES WHITTON NENS
Grid Reference: SP 633654 River: TH. TN. PH. IL. AK. 78
Date: 6/15/1995 Time: 14:00 Surveyor name: GC. ML. WD. JC. FD.
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box) with site log on board!
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + Notch/rocks in channel

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10, then indicate total number)

Riffles 2 Unvegetated point bars
Pools 2 Vegetated point bars
(If E or F - see survey notes)

National Rivers Authority

JAMES. heard

framed

unlabeled

deliberate checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone) (tick one box)

Spot check 1 is at: upstream end ☒ of site ☐ (tick one box)

	1	2	3	4	5	6	7	8	9	10	Nil
LEFT BANK (looking downstream)											
Bank material (fine)	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS
CHANNEL NOTE (Use 1-10, then indicate total number)											
Channel substrate (fine)	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Flow type (fine)	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (looking downstream)											
Bank material (fine)	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from FL, CP, SH, SC, LP, WL, OW, IG, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10	Nil
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or F (present))

Plant group (tick one)	1	2	3	4	5	6	7	8	9	10	Nil
NONE (tick)											
Emergent broad-leaved beds											
Emergent reeds/sedges/phorbes											
Floating-leaved (floating)											
Free-floating											
Amphibious											
Submerged - broad-leaved											
Submerged fine-leaved											
Filamentous, algae											

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)
PLANTS - Use tick boxes of groups of plants in vegetation + species if possible of both parts of vegetation patterns

Repeat 1

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F (present))

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	
Scrub (SC)			Tilled land (TL)		E
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or F (present))

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut			Reinforced - whole bank		E
Vertical + toe			Reinforced - top only		E
Steep (> 45°)			Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Embanked		
Use this space to draw profile if different from above, after ticking predetermined box			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	NOTES	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	NOTES
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Shading of channel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/unmounded	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Overhanging boughs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Exposed bankside roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Underwater tree roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Fallen trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Course woody debris	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	NOTES		None	Present	NOTES
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Marginal deadwater - slack	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Exposed bedrock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Exposed boulders	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Maternal island(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Boil(s) - upwelling, turbulence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Unvegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Slide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Vegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Have you completed your squares from this week? (Send to FWD for signature!)

1-4-95, TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	3.0	RIGHT BANK
Banktop height (m)	1.0	Banktop height (m)	1.5
Embanked height (m)		Embanked height (m)	

If trawl line lower than banktop break in slope, indicate: height (m) 1.0 width (m) 7.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-10, indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Is water level controlled by weir/dam downstream? No ☒ Yes ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other 7 State
weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Carr
	Marsh
	Flork

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10, indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other 7 State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: RS laminar channel, AP substrate. Heavy growth of Ranunculus in channel.
Plants of note: (see list) Some clay.
Major conservation features: RS
Major impacts: RS
Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB
Envelopes supplied! Post completed forms for postage labels supplied steps

1-4-95, TL

DATES. heard	proposed	validated	detailed checks
1-4-21 TL			

PLANTS - Use 1st 4 letters of Genus eg Pota = Potamogeton
+ species if possible eg Pota pect = Potamogeton pectinatus

Have you completed your expenses for this week? (send to FND for signature!)

Envelopes supplied! Post completed films for processing - labels supplied as strips

NRA RIVER HABITAT SURVEY 1995 IFB P.1 A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3818

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SP 838615 River: NENE

Date: 24.6.1995 Time: 15.50

Surveyor name: J. D. H. I. H. C. C. M. L.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/other diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFB - (1-10) - See over page 2

National Rivers Authority

DATE: 24.6.1995

NAME: J. D. H. I. H. C. C. M. L.

GRID: SP 838615

RIVER: NENE

TIME: 15.50

ADVERSE CONDITIONS: No

BED OF RIVER: partially

PHOTOGRAPHS: Yes

SITE SURVEYED FROM: right bank

VALLEY FORM: symmetrical floodplain

NUMBER OF RIFFLES: 1

NUMBER OF POOLS: 1

NUMBER OF POINT BARS: 1

TOTAL: 3

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream end of site (tick one)

LEFT BANK: looking downstream

Met. BE, BO, CO, GS, LA, PE, CL, CC, SP, WF, GA, RA, RB, RW

Bank modification(s) ☒ NO, SL, AI, FC, M, L, W

Bank feature(s) ☒ NO, NO, EC, SC, PR, TP, TR, VS

CHANNEL NOTE: Use suitable for aspect of channel

Channel substrate (one) NY, BE, BO, CO, GS, LA, PE, CL, CC, SP, WF, GA, RA, RB, RW

Flow type (one) TP, CH, BW, UW, CF, SP, TP, SM, NP, ND

Channel modification(s) ☒ NO, NO, AI, SL, M, L, W

Channel feature(s) ☒ NO, NO, AI, SL, M, L, W

RIGHT BANK: looking upstream

Met. BE, BO, CO, GS, LA, PE, CL, CC, SP, WF, GA, RA, RB, RW

Bank modification(s) ☒ NO, SL, AI, FC, M, L, W

Bank feature(s) ☒ NO, NO, EC, SC, PR, TP, TR, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide distance)

Land use: choose one from BL, CP, MH, SC, RP, SL, OV, IG, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) RU, SC

LEFT BANK FACE (structure) RU, SC

RIGHT BANK-TOP (structure within 1m) RU, SC

RIGHT BANK FACE (structure) RU, SC

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or I (less than 33%))

NONE (tick) Plant growth (tick one)

Liverworts mosses/lichens ☐ Mud ☐

Emergent broad-leaved herbs ☒ *Sparganium angustifolium*

Emergent narrow-leaved herbs ☒ *Scirpus atrovirens*

Free-floating ☒ *Lemma*

Amphibious ☒ *Sparganium angustifolium*

Submerged ☒ *Sparganium angustifolium*

Submerged floating ☒ *Sparganium angustifolium*

Filament, algae ☒ *Sparganium angustifolium*

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or I)

NOTES - Use 1-10 for types of growth or plants, etc. + species if possible eg. *Potamogeton pectinatus*

DATE: 24.6.1995

NAME: J. D. H. I. H. C. C. M. L.

GRID: SP 838615

RIVER: NENE

TIME: 15.50

ADVERSE CONDITIONS: No

BED OF RIVER: partially

PHOTOGRAPHS: Yes

SITE SURVEYED FROM: right bank

VALLEY FORM: symmetrical floodplain

NUMBER OF RIFFLES: 1

NUMBER OF POOLS: 1

NUMBER OF POINT BARS: 1

TOTAL: 3

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or I if present)

Broadleaf/mixed woodland (BL)

Coniferous plantation (CP)

Moorland/heath (MH)

Scrub (SC)

Rough pasture (RP)

Wetland (eg bog, marsh, fen) (WZ)

Open water (OW)

Improved/semi-improved grass (IG)

Tilled land (TL)

Suburban/urban development (SU)

I BANK PROFILES (Use E (≥ 33% banklength) or I if present)

Natural/unmodified

Vertical/undercut

Vertical + toe

Steep (> 45°)

Gentle

Composite

Artificial/modified

Reassembled

Reinforced - whole bank

Reinforced - top only

Reinforced - toe only

Artificial two-stage

Purched

Embanked

Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☐ Left ☒ Right ☒ Notes

Isolated/scattered ☒

Regularly spaced, single ☐

Occasional clumps ☐

Semi-continuous ☐

Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

E ≥ 33%

Shading of channel ☒

Overhanging boughs ☒

Exposed bankside roots ☒

Underwater tree roots ☒

Fallen trees ☒

Coarse woody debris ☒

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☒

Cascade(s) - chute ☒

Step/pool sequence ☒

Rapids(s) - whitewater ☒

Riffle-pool sequence ☒

Run(s) - disturbed, rippled ☒

Boil(s) - upwellings ☒

Glide(s) - smooth, no eddies ☒

Marginal deadwater - slack ☒

Exposed bedrock ☒

Exposed boulders ☒

Unvegetated mid-channel bars ☒

Vegetated mid-channel bars ☒

Mature island(s) ☒

Unvegetated side bars ☒

Vegetated side bars ☒

Have you completed your expenses form this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 23.0

Banktop height (m) 1.5

Embanked height (m) 1.5

RIGHT BANK

Banktop width (m) 20.0

Banktop height (m) 1.5

Embanked height (m) 0.25

If trapezoid lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFB only)

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Moss/water of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

Channel

Waterfalls > 5m high ☐

Braided/side channels ☐

Debris dams ☐

Leafy debris ☐

FLOODPLAIN (50m corridor) ☒

Artificial open water ☐

Natural open water ☐

Water meadow ☐

Fen ☐

Bog ☐

Carr ☐

Marsh ☐

Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Lowland channel - No flow at time of survey.

Plants of note: (see list) Few trees

Major conservation features: open water on left (gravel pit)

Major impacts: Dredged + navigation channel.

Incidental observations (animals etc): Low embankment R+3 = spot from dredging.

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied separately.

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 2819
Mid-section grid reference of network site if different from designated location:
Grid Reference: S977633 River: Tributary of Till
Date 3.15.1995 Time: 09:00 Surveyor name: J. W. P. H. 16 AK 78m
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box) with site No. m!
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + note/make diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles Unvegetated point bars
Pools Vegetated point bars
(PFB - mid - see river 1994)

National Rivers Authority.

Notes: heard 10.5 ground visible debris checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be measured across channel within a 1m wide zone) (tick position 1/10)

Spot check 1 in at upstream end of site (tick one)
1 2 3 4 5 6 7 8 9 10

LEFT BANK - looking downstream

Bank material (fine) NO. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.
Bank modification(s) NO. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.
Bank features(s) NO. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.
Channel note - Use 1/11 for aspect of channel
Channel substrate (fine) NO. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.
Flow type (fine) NO. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.
Channel modification(s) NO. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.
Channel features(s) NO. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.

RIGHT BANK - looking downstream

Bank material (fine) NO. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.
Bank modification(s) NO. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.
Bank features(s) NO. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, HM, SC, AP, RL, OW, HL, TL, FU
LAND USE WITHIN 5m OF BANKTOP (L) SC SC SC IG V AP RP RP RP RP
LEFT BANKTOP (structure within 1m) RUSC S S S S S S S S S
LEFT BANK FACE (structure) RUSC S S S S S S S S S
RIGHT BANK FACE (structure) RUSC U S S S S S S S S
RIGHT BANKTOP (structure within 1m) RUSC U U U U U U U U U
LAND USE WITHIN 5m OF BANKTOP (R) IG IG RP RP RP RP RP RP RP RP

G. CHANNEL VEGETATION TYPES (fill in referring boxes with one entry: use E (2-35% area) or F (greater))

NONE (tick) Plant genera (tick one) ☒ ☒ ☒
Invasive species ☐
Emergent broad-leaved herbs ☐
Emergent reed ☐
Floating-leaved (free) ☐
Tree-flowering ☐
Amphibious ☐
Submerged broad-leaved ☐
Submerged fine-leaved ☐
Filamentous algae ☐

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use not 4 ticks of genera & plants following + species if possible eg. Pelt. part. & Potamogeton perfoliatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (2-35% banklength) or F if present)

Land use L R
Broadleaved woodland (BL) Wetland (eg bog, marsh, fen) (W)
Coniferous plantation (CP) Open water (OW)
Moorland/heath (MH) Improved/reimproved grass (IG) E
Scrub (SC) Tilled land (TL) E
Rough pasture (RP) Suburban/urban development (SU) E

I. BANK PROFILES (Use E (2-35% banklength) or F if present)

Natural/unmodified L R Artificial/unmodified L R
Vertical/undercut ☒ ☒ Reinforced - whole bank ☒ ☒
Vertical + toe ☒ Reinforced - toe only ☒ ☒
Steep (>45°) ☒ Reinforced - toe only ☒ ☒
Gullies ☒ Artificial two-stage ☒ ☒
Composite ☒ Pooled ☒ ☒
Use this space to draw profile (if different from above, after using predetermined box) ☒ ☒
Set-back embankments ☒ ☒

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank) ASSOCIATED FEATURES (Tick one box per feature)
None ☒ None ☒
Isolated/scattered ☒ Standing of channel ☒
Regularly spaced, single ☒ Overhanging boughs ☒
Occasional clumps ☒ Exposed bankside roots ☒
Semi-continuous ☒ Underwater tree roots ☒
Continuous ☒ Fallen trees ☒
Coarse woody debris ☒

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall ☒ Marginal deadwater - slock ☒
Cascades(s) - chute ☒ Exposed bedrock ☒
Shoal/pool sequence ☒ Exposed boulders ☒
Rapid(s) - whitewater ☒ Unvegetated mid-channel bars ☒
Riffle-pool sequence ☒ Vegetated mid-channel bars ☒
Roe(s) - disturbed, rippled ☒ Mature island(s) ☒
Dell(s) - upwellings ☒ Unvegetated side bars ☒
Glide(s) - smooth, no eddies ☒ Vegetated side bars ☒

Have you completed your entries for this week? (Send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Backstop width (m) 7 RIGHT BANK 15
Banktop height (m) 15 Water width (m) 50 Banktop height (m) 15
Gravel height (m) 0.5 Water depth (m) 0.5 Embankment height (m)

If washline lower than banktop break in slope, indicate: height (m) width (m)
Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (PFB only)

M. ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 1 Weir(s) ☐ Outfalls = ☐ Fords = ☐
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth/side of site ☐
Part of site ☐ Mouth/side of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

Grading ☐ mowing ☐ Other? State:
weed-cutting ☐ enhancement ☒

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor) ☐
Braided/side channels ☐ Artificial open water ☐ Bog ☐ Other (state):
Debris dams ☐ Natural open water ☐ Carr ☐
Leafy debris ☐ Water meadow ☐ Marsh ☐
Pin ☐ Flush ☐

P. CHOICE CHANNEL (Tick one box)

Is 35% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NURSANCE PLANT SPECIES (Use 1/11 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: Nettles

R. BRIEF DESCRIPTION (Use prompts and key words of appropriate)

Descriptive sentence: 2 ditched sections, 1st section semi-permanent, mostly dry;
Plants of note: 2nd section, straight channel edge of field, little water
Major conservation features:
Major impacts: land drainage channel
Incidental observations (animals etc):

S. DISEASED ALGAE (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased insect? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Europe's largest! Post completed form for planning. Labels supplied.

DATE.	Revised	10.5	prepared	initiated	date/time checked
7/10/21					

PLANTS - Use 1st 4 letters of genus \rightarrow Pota, Pota vegetation
+ species if possible \rightarrow Pota part & Pota vegetation partative

Have you completed your expenses for this week? (send to FHD for signature!)

Envelopes supplied! Post completed films for processing - labels supplied & stamped

DATES. heard 10/5 prepared validated dated
10/12/77

PLANTS - Use 1st 4 letters of Genus \rightarrow Pota, Potamogeton
+ species if possible \rightarrow Pota sect. Potamogeton sect. natius

U. _____ 15/11/2019 received from this week? (send to FWD for signature!)

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: IFE P.A.A. Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3823

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TL37602 River: Cotnam Lode / Great Ouse

Date 14/5/1995 Time: 08.10 Surveyor name: TC MLV HO NG PWD

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state: Flow elevated due to recent rain

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with site No. 1

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. DOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl + notes: note 1: 3 m

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles | Unvegetated point bars

Pools | Vegetated point bars

IFE - mid - see (see 100)

Notes: record

ground

united

detritus

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone) (tick one box)

Spot check 1 is at: upstream ☐ of site ☒ (tick one)

LEFT BANK: Bank material (fine) NE, NO, CO, CL, EA, PE, CL Bank modification(s) ☒ NE, NO, CL, EA, PE, CL Bank feature(s) ☒ NE, NO, CL, EA, PE, CL

CHANNEL NOTE: Use suitable for

Channel substrate (fine) NE, NO, CO, CL, EA, PE, CL Flow type (fine) NE, NO, CO, CL, EA, PE, CL Channel modification(s) ☒ NE, NO, CL, EA, PE, CL Channel feature(s) ☒ NE, NO, CL, EA, PE, CL

RIGHT BANK: Bank material (fine) NE, NO, CO, CL, EA, PE, CL Bank modification(s) ☒ NE, NO, CL, EA, PE, CL Bank feature(s) ☒ NE, NO, CL, EA, PE, CL

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from NE, CO, NH, SC, RP, WL, OW, HO, TL, SW

LAND USE WITHIN 5m OF BANKTOP (L) TL TL TL TL TL TL TL TL TL TL

LEFT BANK TOP (structure within 1m) BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC

LEFT BANK FACE (structure) BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC

RIGHT BANK FACE (structure) BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC

RIGHT BANK TOP (structure within 1m) BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC BRUSC

LAND USE WITHIN 5m OF BANK TOP (R) TL TL TL TL TL TL TL TL TL TL

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry: use E (i.e. 31% area) or 0 (present))

NONE (tick) ☒ Plant species (tick one)

Emergent broad-leaved beds ☐ Emergent reeds, sedges, rushes ☐ Floating-leaved (free) ☐ Free-floating ☒ Amphibious ☒ Submerged - broad-leaved ☒ Submerged fine-leaved ☒ Filamentous algae ☒

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or 0) ↑

Notes: - Use 1-11 for types of channels or plants for vegetation and species if possible eg. Pota, pect, P. elongata, pectinatus

Repeat 1 3823

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (i.e. 31% banklength) or 0 if present)

Broadleaved woodland (BL) Wetland (eg bog, marsh, fen) (WLD)

Coniferous plantation (CP) Open water (OW)

Moorland/heath (MH) Improved/semi-improved grass (IG)

Scrub (SC) Tilled land (TL)

Rough pasture (RP) Suburban/urban development (SU)

I. BANK PROFILES (Use E (i.e. 31% banklength) or 0 if present)

Natural/unmodified L R Artificial/modified L R

Vertical/undercut ☒ Reinforced ☒ E E

Vertical + toe ☒ Reinforced - whole bank ☒ E E

Slope (> 45°) ☒ Reinforced - top only ☒ E E

Grass ☒ Reinforced - toe only ☒ E E

Composite ☒ Artificial two-stage ☒ E E

Use this space to draw profile if different from above, after taking predetermined box

Embanked ☒ Set-back embankments ☒ E E

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank) ASSOCIATED FEATURES (Tick one box per feature)

None L R None Present E No trees

Isolated/scattered ☐ Shedding of channel ☒ E E

Regularly spaced, single ☐ Overhanging boughs ☒ E E

Occasional clumps ☒ Exposed bankside roots ☒ E E

Semi-continuous ☐ Underwater tree roots ☒ E E

Continuous ☐ Fallen trees ☒ E E

Coarse woody debris ☒ E E

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ Marginal deadwater - slack ☒ E E

Overbank(s) - chute ☒ Exposed bedrock ☒ E E

Shoal/pool ☒ Exposed boulders ☒ E E

Rapid(s) - white-water ☒ Unvegetated mid-channel bars ☒ E E

Riffle-pool sequence ☒ Vegetated mid-channel bars ☒ E E

Run(s) - disturbed, rippled ☒ Mature island(s) ☒ E E

Boil(s) - upwellings ☒ Unvegetated side bars ☒ E E

Glides(s) - smooth, no eddies ☒ Vegetated side bars ☒ E E

Have you completed your responses from this week? (send to PWD for signature)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK: Banktop width (m) 5 RIGHT BANK: Banktop width (m) 2.5

Banktop height (m) 2.5 Water width (m) 0.75 Banktop height (m) 2.5

Embanked height (m) 0.05 Water depth (m) 0.05 Embankment height (m) 0.05

If bankline lower than banktop break in slope, indicate: height (m) width(m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 1 Weirs = 0 Outfalls = 0 Fords = 0

Footbridges = 0 Roadbridges = 0 Other = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State not recently used, using as trees

wood-cutting ☐ enhancement ☒ growing cut-off bank

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL: Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Braided/wide channels ☐ Natural open water ☐ Carr ☐

Debris dams ☒ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Fluck ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11 indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: During ditch beside field, has been straightened & resectioned in the past, but now willows grow out of the bank.

Plants of note:

Major conservation features:

Major impacts: Passing through intensively agricultural land.

Incidental observations (animals etc):

IFE 2 - channel only by left bank ☒

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 4BB

Envelopes supplied! Post completed forms for forwarding - labels supplied

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3525

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: T1530485 River: Cam / Great Ouse

Date 11/5/1995 Time: 13.00 Surveyor name: [signature]

Adverse conditions affecting survey? No ☐ Yes ☒ If yes, state (tick one box)

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on the diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [H] then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE (ind. - see over page 13)

National Rivers Authority

DATES, RECORD, [signature], [signature], [signature], [signature]

3525

SITE NO. 3525 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Forest/woodland (BL)			Wetland (eg bog, marsh, fen) (WJ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		F
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)	F	F	Suburban/urban development (SU)		

I BANK PROFILES: Use E (≥ 33% banklength) or F if present

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		
Use all space to draw profile			Peached		
1/3 from bank above, other 2/3 from bank below			Embanked		
100% predominated bank			Scrub embankment		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	Notes	Associated FEATURES	None	Present	Notes
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes		None	Present	Notes
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Marginal deadwater - silt	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Carada(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Drop-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Race(s) - fluvial, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Belt(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Have you completed your entries from this week? (send to PWD for signature!)

PWD

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at upstream end of site (tick one)

	1	2	3	4	5	6	7	8	9	10	Notes
LEFT BANK (looking downstream)											
Bank material (fine)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
CHANNEL NOTE - Use the scale on the right											
Channel substrate (fine)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Flow type (fine)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK (looking downstream)											
Bank material (fine)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: choose one from BL, CP, MH, IG, OW, RP, SC, SU

	1	2	3	4	5	6	7	8	9	10	Notes
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U	
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U	
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U	
RIGHT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U	
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry per E (≥ 33% area) or F (present))

	1	2	3	4	5	6	7	8	9	10	Notes
NONE (tick)											
Emergent broad-leaved herbs											
Emergent reeds/rushes											
Emergent sedges											
Emergent grasses											
Emergent forbs											
Emergent shrubs											
Emergent trees											
Emergent algae											
Emergent mosses											
Emergent fungi											
Emergent lichens											
Emergent invertebrates											
Emergent vertebrates											
Emergent plants											
Emergent animals											
Emergent fungi											
Emergent lichens											
Emergent invertebrates											
Emergent vertebrates											

Use the "tick-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use the list of plants in the field notebook + species if possible eg. Plant species list

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Banktop width (m)	Right Bank
Banktop height (m)	29		
Water width (m)	27		
Banktop height (m)			
Water depth (m)			
Embankment height (m)			

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use [H] indicates total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

weed-cutting ☐ enhancement ☒

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL: Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use / or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Slow flowing navigable channel with set back embankments

Notes of note:

Major conservation features: Wetland area contained within embankment (100m away from river)

Major impact: Navigation

Incidental observations (animals etc):

IFE channel suitability ☒ Filled ☐

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WARRENHAM, B120 6BB

Envelopes supplied! Post completed form for processing. Labels supplied on site

NRA RIVER HABITAT SURVEY 1995: IFB, P-1-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3827

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TL70259 River: Kennel/Lark

Date 11/5/1995 Time: 13:00 Surveyor name: (only if add) G.C. Miller

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general features? No ☐ Yes ☒ (tick one box)

Essential - return with request of follow-up

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl + notes/mile 7.00000

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 11 Unvegetated point bars

Pools 1 Vegetated point bars

IFE - Ind. - see survey report

National Rivers Authority

Notes: heard planned validated detailed

REFAT 1

SITE NO. 3827 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or F if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	E
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (to 33% banklength) or F if present)

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	✓	✓	Reinforced		
Vertical + toe		✓	Reinforced - whole bank		
Steep (> 45°)		✓	Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after scaling predetermined bars					
	Patched				
	Embedded				
	Set-back embankment				

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
None	Left	Right	None	Present	Notes
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	
Isolated/mattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	
Semi-cohesive	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None			Present			Notes		
Waterfalls	Free-fall	Chute	Waterfalls	Free-fall	Chute	Waterfalls	Free-fall	Chute
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3829
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: TL973636 River: Supstun / Lark
Date 13.5/1995 Time: 10.00...12.00... Surveyor name: J.H. 7.4 PM 16 AK 78m
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bod of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Photographs: general character? No ☐ Yes ☐ (tick one box) with site No. on back
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/other features

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [H] then indicate total number)

Riffles 10 Unvegetated point bars
Pools Vegetated point bars
(NB: If a site is a pool, it is also a riffle)
National Rivers Authority

J.H.S. heard 10.00...12.00... valid 12.00...12.00... details

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (Use [H] then indicate total number)

Spot check 1 is at upstream end of site (tick one)
LEFT BANK ☒ RIGHT BANK ☒ CHANNEL ☒
Bank material (fine) ☒ Bank modification(s) ☒ CHANNEL NOTE: ☒ Channel substrate (fine) ☒ Flow type (see 11) ☒ Channel modification(s) ☒ Channel feature(s) ☒ RIGHT BANK ☒ Bank material (fine) ☒ Bank modification(s) ☒ Bank feature(s) ☒

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, NR, TC, SL, VL, OW, IG, TL, SU
LAND USE WITHIN 5m OF BANKTOP (L) TL TL TL TL TL TL TL TL TL TL
LEFT BANK TOP (structure within 1m) ☒ LEFT BANK FACE (structure) ☒ RIGHT BANK FACE (structure) ☒ RIGHT BANK TOP (structure within 1m) ☒ LAND USE WITHIN 5m OF BANK TOP (R) TL TL TL TL TL TL TL TL TL TL

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or F (present))

NONE (tick) ☒ Montanus (lat. in)
Lycopersicon ☒ Pteris (lat. in)
Emergent broad ☒ Iris
Emergent reeds ☒ Sparanium
Floating-leaved ☒
Free-floating ☒
Amphibious ☒
Submerged - broad-leaved ☒
Submerged fine-leaved ☒
Filamentous algae ☒

Use end 'tick-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F) ☒
PLANTS - Use tick-all column for types not occurring in spot checks as well as overall assessment over 500m (use E or F) ☒

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F (if present))

☒ Broadleaved/deciduous woodland (BL) ☒ Wetland (eg bog, marsh, fen) (WL)
☒ Coniferous plantation (CP) ☒ Open water (OW)
☒ Moorland/heath (MH) ☒ Improved/semi-improved grass (IG)
☒ Scrub (SC) ☒ Tilled land (TL)
☒ Rough pasture (RP) ☒ Suburban/urban development (SU)

I BANK PROFILES (Use E (in 33% banklength) or F (if present))

Natural/unmodified ☒ Artificial/modified ☒
Vertical/handcut ☒ Retention ☒
Vertical + toe ☒ Reinforced - whole bank ☒
Steep (> 45°) ☒ Reinforced - top only ☒
Gentle ☒ Reinforced - toe only ☒
Composite ☒ Artificial two-stage ☒
Use this space to draw profile if different from above, after making preliminary box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank) L R ASSOCIATED FEATURES (Tick one box per feature) None Present E NO YES
None ☒ ☒ E > 33% ☒ ☒ None ☒ ☒ No YES
Isolated/scattered ☒ ☒ Stalling of channel ☒ ☒ ☒ ☒
Regularly spaced, single ☒ ☒ Overhanging boughs ☒ ☒ ☒ ☒
Occasional clumps ☒ ☒ Exposed bankside roots ☒ ☒ ☒ ☒
Semi-continuous ☒ ☒ Underwater tree roots ☒ ☒ ☒ ☒
Continuous ☒ ☒ Fallen trees ☒ ☒ ☒ ☒
Coarse woody debris ☒ ☒ ☒ ☒

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☒ ☒ Marginal deadwater - silt ☒ ☒ None ☒ ☒ No YES
Cascades(s) - chute ☒ ☒ Exposed bedrock ☒ ☒ ☒ ☒
Step/pool sequence ☒ ☒ Exposed boulders ☒ ☒ ☒ ☒
Rapid(s) - white-water ☒ ☒ Unvegetated mid-channel bars ☒ ☒ ☒ ☒
Riffle-pool sequence ☒ ☒ Vegetated mid-channel bars ☒ ☒ ☒ ☒
Run(s) - disturbed, rippled ☒ ☒ Mature island(s) ☒ ☒ ☒ ☒
Belt(s) - gravelly ☒ ☒ Unvegetated side bars ☒ ☒ ☒ ☒
Slide(s) - smooth, no debris ☒ ☒ Vegetated side bars ☒ ☒ ☒ ☒

Have you completed your exercises from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK ☒ RIGHT BANK ☒
Banktop width (m) 4 Banktop height (m) 1-2.5
Banktop height (m) 1-2.5 Water width (m) 2 Banktop height (m) 1-2.5
Banktop height (m) 1-2.5 Water depth (m) 0.2 Banktop height (m) 1-2.5
If bankline lower than banktop break in slope, indicate: height (m) width (m)
Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☒ unknown ☐
Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) ☒

M ARTIFICIAL FEATURES (Use [H] indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = 1 Weirs = Roadbridges = Outfalls = Feeds =
Footbridges = 2 Other =
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State:

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL ☒ FLOODPLAIN (50m corridor) ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Bridled/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flurb ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use E or F)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Fast flowing channel running through field
Plants of note:
Major conservation features:
Major impacts: Intensive agriculture
Incidental observations (animals etc):

IFE 2 channel single lot, D filtered

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB
Envelopes supplied! Post completed forms for posting - labels supplied separately

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3832

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TM292624 River: Ore / Akle

Date: 9.16.1995 Time: 06.30

Surveyor name (initials): M.L. 40 126 PWD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/extra diagrams

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 5 Unvegetated point bars

Pools 1 Vegetated point bars

IFE - Ind - See exp. 200/12

National Rivers Authority

DATES, Record 1995.11.12 Initials

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone)

Spot check 1 is at: upstream end ☐ of site ☒ (tick one)

LEFT BANK looking downstream

Bank material (fine) ☒ NO, CO, CL, S, F, G, L

Bank modification(s) ☐ NO, AL, CL, F, G, L, M, N

Bank feature(s) ☐ NO, AL, CL, F, G, L, M, N

CHANNEL NOTE - Use one box for each type of feature

Channel substrate (fine) ☒ NO, AL, CL, F, G, L, M, N

Flow type (fine) ☒ NO, AL, CL, F, G, L, M, N

Channel modification(s) ☐ NO, AL, CL, F, G, L, M, N

Channel feature(s) ☐ NO, AL, CL, F, G, L, M, N

RIGHT BANK looking downstream

Bank material (fine) ☒ NO, CO, CL, S, F, G, L

Bank modification(s) ☐ NO, AL, CL, F, G, L, M, N

Bank feature(s) ☐ NO, AL, CL, F, G, L, M, N

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CL, AL, SC, AP, PL, GW, NO, TL, SW

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 2m) BAUSC

LEFT BANK FACE (structure) BAUSC

RIGHT BANK FACE (structure) BAUSC

RIGHT BANK-TOP (structure within 2m) BAUSC

LAND USE WITHIN 5m OF BANKTOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or F (present))

NONE (tick)

Plant green (floating)

Algae

Sparganium

Free-floating

Amphibious

Schmoozed

Submerged float

Flamant, algae

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANT 5 - Use 1-10 ticks of density of plants in the vegetation + species of possible of plants per 10m vegetation percentage

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 40m OF BANKTOP (Use E (in 33% banklength) or F if present)

Broadleaved woodland (BL)

Coniferous plantation (CP)

Moorland/heath (MH)

Scrub (SC)

Rough pasture (RP)

Wetland (eg bog, marsh, fen) (WL)

Open water (OW)

Improved/semi-improved grass (IG)

Tilled land (TL)

Suburban/urban development (SU)

I BANK PROFILES (Use E (in 33% banklength) or F if present)

Natural/unmodified

Vertical undercut

Vertical + toe

Steep (>45°)

Gentle

Composite

Artificial/unmodified

Reinforced - whole bank

Reinforced - top only

Reinforced - toe only

Artificial two-stage

Peached

Embanked

Set-back embankment

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

Left Right

None ☒ ☐

Isolated/scattered ☐ ☐

Regularly spaced, single ☐ ☐

Occasional clumps ☐ ☐

Semi-coalescent ☐ ☐

Coalescent ☐ ☐

ASSOCIATED FEATURES (Tick one box per feature)

Shifting of channel ☒

Overhanging boughs ☒

Exposed bankside roots ☒

Underwater tree roots ☒

Fallen trees ☒

Coarse woody debris ☒

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None Present E

Waterfall(s) - freefall ☒ ☐

Cascade(s) - chute ☒ ☐

Step/pool sequence ☒ ☐

Rapid(s) - white-water ☒ ☐

Riffle-pool sequence ☒ ☐

Rune(s) - dimerbed, rippled ☒ ☐

Boil(s) - upwellings ☒ ☐

Glide(s) - smooth, no eddies ☒ ☐

Marginal deadwater - slack ☒

Exposed bedrock ☒

Exposed boulders ☒

Unvegetated mid-channel bars ☒

Vegetated mid-channel bars ☒

Mature island(s) ☒

Unvegetated side bars ☒

Vegetated side bars ☒

Have you completed your responses from this week? (send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 3.5

Banktop height (m) 0.75

Banktop width (m) 2.5

Banktop height (m) 0.75

Banktop width (m) 0.1

Banktop height (m) 0.75

If inshore lower than banktop break in slope, indicate: height (m) width(m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)

M ARTIFICIAL FEATURES (Use 1-10 ticks of density of features)

None ☐ Number of Culverts = 1 Weirs = 1

Footbridges = 1 Roadbridges = 1

Is water level controlled by weirs/dam downstream? No ☒ Part of site ☐ Most of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

Grading ☐ mowing ☒ Other? State:

Reed-cutting ☐ enhancement ☒ Reservoir

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state):

Brick/drain channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10 ticks of density of species)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use prompt and 100 words or appropriate)

Descriptive sentence: Nine downstream spot checks resurveyed fold margin ditch.

Plants of note: Top spot check above weir, parked.

Major conservation features:

Major impacts: Intensively managed

Incidental observations (animals etc):

IFE - Channel swept by PWD

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 8BB

Envelopes supplied! Post completed form for processing - labels supplied

data base
check

PLANTS - Use 1st letters of Genus \rightarrow Pota & Potomogon
+ species if possible eg Pota sect & Potomogon permativus

P-45623.75.

Envelopes supplied! Post completed files for processing - labels supplied as requested.

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____
Solid geology code _____ Drift geology code _____ Planform category _____
Distance from source(km) _____ Significant tributary ? _____ Navigation ? _____

B FIELD SURVEY DETAILS

Reference network site number: 3834
Mid-section grid reference of network site if different from designated location: _____
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: TM48662 River: Minsmere River
Date 8.1.1995 Time: 15.00 Surveyor name: (signature)
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____
Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)
- Photographs: general character? No ☒ Yes ☐ (tick one box) Site map ☒
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + note/side channel

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles _____ Unvegetated point bars _____
Pools _____ Vegetated point bars _____

IFE - m.d. - See page 100013

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream and downstream (tick one)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK: looking down stream										
Bank material (one)	FL, SO, CO, GL, LA, PE, CL	EA								
Bank modification(s)	NO, SL, PL, FC, M, EN	RS								
Bank feature(s)	AK, NO, SL, FC, M, EN, PL, RS, VS	NO								
CHANNEL NOTE: Use space for aspects of interest										
Channel substrate (one)	SL, FL, SO, CO, GP, SL, CL, LA	NV								
Flow type (one)	FF, CH, F, W, CF, SF, SF, M, NP, NO	NP								
Channel modification(s)	AK, NO, SL, FC, M, EN, PL, RS, VS	NO								
Channel feature(s)	NO, SL, FC, M, EN, PL, RS, VS	NO								
RIGHT BANK: looking down stream										
Bank material (one)	FL, SO, CO, GL, LA, PE, CL	EA								
Bank modification(s)	NO, SL, PL, FC, M, EN	RS								
Bank feature(s)	AK, NO, SL, FC, M, EN, PL, RS, VS	NO								
	FL	CP	RP	RP	RP	WL	WL	WL	WL	WL
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP (structure within 1m)	BAUSC									
LEFT BANK FACE (structure)	BAUSC									
RIGHT BANK FACE (structure)	BAUSC									
RIGHT BANK-TOP (structure within 1m)	BAUSC									
LAND USE WITHIN 5m OF BANK TOP (R)	RP									
Liverworts										
Mooss/lichen										
Emergent broad										
leaved herbs										
Emergent reeds										
edges/rushes										
Floating-leaved										
(floating)										
Free-floating										
Amphibious										
Submerged										
leaved-leaved										
Submerged fine										
leaved-leaved										
Filament algae										

IFES, heard planned milled milled

NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or (if present))

	L	R	L	R			
Broadleaved woodland (BL)							
Wetland (eg bog, marsh, fen) (WL)							
Coniferous plantation (CP)							
Open water (OW)							
Improved/semi-improved grass (IG)							
Moorland/heath (MH)							
Tilled land (TL)							
Scrub (SC)							
Rough pasture (RP)							
Suburban/urban development (SU)							
	L	R	L	R			
Natural/unmodified							
Artificial/modified							
Vertical/undercut							
Reinforced - whole bank							
Vertical + toe							
Reinforced - top only							
Steep (> 45°)							
Reinforced - toe only							
Grass							
Artificial two-stage							
Composite							
Use this space to draw profile if different from above, other (tick predominant box)							
Poached							
Embanked							
Set-back embankments							
TREES (Tick one box per bank)	None	Left	Right	Notes	None	Present E	Notes
None							
Isolated/scattered							
Regularly spaced, single							
Occasional clumps							
Semi-continuous							
Continuous							
Associated features							
Shading of channel							
Overhanging boughs							
Exposed bankside roots							
Underwater tree roots							
Fallen trees							
Coarse woody debris							
	None	Present E	Notes	None	Present E	Notes	
Waterfall(s) - free-fall							
Cascades(s) - chute							
Step-pool sequence							
Rapid(s) - whitewater							
Riffle-pool sequence							
Run(s) - disturbed, rippled							
Boil(s) - upwellings							
Glide(s) - smooth, no eddies							
Marginal deadwater - slack							
Exposed bedrock							
Exposed boulders							
Unvegetated mid-channel bars							
Vegetated mid-channel bars							
Minor island(s)							
Unvegetated side bars							
Vegetated side bars							

Have you completed your exposure from this week? (Send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	5	
Banktop height (m)	0.75	
Water width (m)	7	
Banktop height (m)		0.75
Water depth (m)		
Embarked height (m)		
If trashes lower than banktop break in slope, indicate: height (m) width (m)		
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input checked="" type="checkbox"/>		
Location of measurement is: riffle <input type="checkbox"/> run or glide <input type="checkbox"/> other <input checked="" type="checkbox"/> (tick one box) Slope (IFE only)		
CHANNEL	FLOODPLAIN (50m corridor)	
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input checked="" type="checkbox"/>	
Loose debris <input type="checkbox"/>	Fen <input checked="" type="checkbox"/>	
	Bog <input type="checkbox"/>	
	Carr <input type="checkbox"/>	
	Marsh <input type="checkbox"/>	
	Flush <input type="checkbox"/>	
	Other (state) _____	

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3835

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: *For Bidu*

Date: *2.1.6/1995* Time: *16:25* Surveyor name: *410*

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☒ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles *1* Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P4512.1L

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 3m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ <i>EL, SO, CO, GS, E, TE, CL, CC, SP, NF, GA, JF, JX, JW</i>	<i>GA</i>	<i>GA</i>	<i>GA</i>	<i>GA</i>	<i>GA</i>	<i>GA</i>	<i>GA</i>	<i>GA</i>	<i>GA</i>	<i>GA</i>
Bank modification(s) ² <i>NO, XJ, JF, C, J, M, EN</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>
Bank feature(s) ³ <i>NE, NO, EC, SC, JF, SP, JZ</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>
CHANNEL										
Channel substrate ⁴ <i>NE, JF, SO, CO, GP, JZ, CL, AR</i>	<i>GP</i>	<i>GP</i>	<i>GP</i>	<i>GP</i>	<i>GP</i>	<i>GP</i>	<i>GP</i>	<i>GP</i>	<i>GP</i>	<i>GP</i>
Flow type ⁵ <i>IF, CH, AW, UP, CF, JF, SP, JZ, JX, JZ</i>	<i>IF</i>	<i>IF</i>	<i>IF</i>	<i>IF</i>	<i>IF</i>	<i>IF</i>	<i>IF</i>	<i>IF</i>	<i>IF</i>	<i>IF</i>
Channel modification(s) ⁶ <i>NO, XJ, JF, C, J, M, EN</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>
Channel feature(s) ⁷ <i>NE, NO, EC, SC, JF, SP, JZ</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>
RIGHT BANK										
Mat. ¹ <i>EL, SO, CO, GS, E, TE, CL, CC, SP, NF, GA, JF, JX, JW</i>	<i>GA</i>	<i>GA</i>	<i>GA</i>	<i>GA</i>	<i>GA</i>	<i>GA</i>	<i>GA</i>	<i>GA</i>	<i>GA</i>	<i>GA</i>
Bank modification(s) ² <i>NO, XJ, JF, C, J, M, EN</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>
Bank feature(s) ³ <i>NE, NO, EC, SC, JF, SP, JZ</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>	<i>EC</i>
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land uses choose one from <i>AL, CP, SH, SC, SP, SL, OW, JO, JL, SU</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>
LAND USE WITHIN 5m OF BANKTOP (L)	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>
LEFT BANK-TOP (structure within 2m) ¹ <i>AL, SC, CP</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>
LEFT BANK FACE (structure) ² <i>AL, SC, CP</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>
RIGHT BANK FACE (structure) ³ <i>AL, SC, CP</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>
RIGHT BANK-TOP (structure within 2m) ⁴ <i>AL, SC, CP</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>
LAND USE WITHIN 5m OF BANK TOP (R)	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>	<i>AL</i>
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or / (percent))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										
Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)										

P4512.1L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. *3835*

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		<input checked="" type="checkbox"/>
Scrub (SC)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Tilled land (TL)		
Rough pasture (RP)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/modification		
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed		
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	
Step (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predetermined box			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present	E
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E		None	Present	E
Waterfall(s) - free-fall	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater - slock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cascades(s) - chute	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

P4512.1L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	2m	RIGHT BANK
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	Banktop height (m)
Banktop width (m)	<i>0.5</i>	<i>1.5</i>	Banktop width (m)
Banktop depth (m)	<i>0.5</i>	<i>1.5</i>	Banktop depth (m)
Banktop height (m)	<i>0.5</i>	<i>1.5</i>	

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide band)

Mat. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK	RE	EA	EA	EA	EA	EA	EA	EA	EA	RR
Bank modification(s)	RI	NO	NO	NO	NO	NO	NO	NO	NO	RI
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

BANK OF LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, MH, SC, SP, VL, OW, RD, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m)	C	C	C	C	C	C	C	C	C	C
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	C	C	C	C	C	C	C	C	C	C
LAND USE WITHIN 5m OF BANKTOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

CHANNEL VEGETATION TYPES (all in relevant boxes with one entry, but E in 31% area of E (green))

VEGETATION TYPE	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

NRA RIVER HABITAT SURVEY 1995: 500M SUELL-UP Page 3 of 4

Site No. 1336

LAND USE WITHIN 5m OF BANKTOP (tick one box per bank)

Bank	Left	Right
Broads/lowland woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coniferous plantation (CP)	<input type="checkbox"/>	<input type="checkbox"/>
Moorland/heath (MH)	<input type="checkbox"/>	<input type="checkbox"/>
Semi (SC)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rough pasture (RP)	<input type="checkbox"/>	<input type="checkbox"/>
Urban/urban development (SU)	<input type="checkbox"/>	<input type="checkbox"/>

CHANNEL PROFILES (tick one box per bank)

Bank	Left	Right
Natural/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical/horizontal	<input type="checkbox"/>	<input type="checkbox"/>
Vertical + toe	<input type="checkbox"/>	<input type="checkbox"/>
Slope (> 45°)	<input type="checkbox"/>	<input type="checkbox"/>
Grass	<input type="checkbox"/>	<input type="checkbox"/>
Composite	<input type="checkbox"/>	<input type="checkbox"/>

Use this space to draw profile if different from above, after setting predetermined box

EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per bank)

Bank	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

Feature	Present	None
Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

LETTER OF CHANNEL FEATURES (tick one box per feature)

Feature	Present	None
Waterfall(s) - free fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Constriction(s) - close	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Step-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapids(s) - white-water	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ram(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bed(s) - gravelly, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>

LETTER OF CHANNEL FEATURES (tick one box per feature)

Feature	Present	None
Marginal deadwater - slack	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Man-made island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

Bank	Left	Right
Banktop width (m)	8.5	1.5
Water width (m)	6	0.7
Banktop height (m)	0.25	0.7
Water depth (m)	0.25	0.7

If threshold lower than banktop break in slope, indicate height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (1% only)

ARTIFICIAL FEATURES (Use 1-10 to indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 1 Weirs = 0 Outfalls = 0 Ponds = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State

wood-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

Channel	Floodplain (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen

CHOKED CHANNELS (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE NUISANCE PLANT SPECIES (Use 1-10 to indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State

BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: *Shading river with gravel bed through grassy + narrow strip of trees + patches of woodland. Very little channel veg. Active reach with alternating side bars*

Plants of note:

Major conservation features: *side bars*

Major impacts:

Incidental observations (animals etc):

DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 5837

Mid-section grid reference of network site if different from designated location:

COMPLETE THIS FOLLOWING FOR ALL SITES

Grid Reference: River: A5101

Date: 2.10.1995 Time: 12:30 Surveyor name: AD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

<input type="checkbox"/> shallow vee	<input type="checkbox"/> terraced valley floor
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical floodplain
<input checked="" type="checkbox"/> concave/bowl	

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles <u>(3)</u>	Unvegetated point bars
Pools	Vegetated point bars

National Rivers Authority

P41021.TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material	1	2	3	4	5	6	7	8
LEFT BANK								
Mat. ¹ <u>EA, EA, EA, EA, EA, EA, EA, EA</u>	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL								
Channel substrate ¹ <u>EA, EA, EA, EA, EA, EA, EA, EA</u>	EA	EA	EA	EA	EA	EA	EA	EA
Flow type ¹ <u>NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s) <u>NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK								
Mat. ¹ <u>EA, EA, EA, EA, EA, EA, EA, EA</u>	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, DM, EC, EP, EL, OW, IO, TL, TU

LAND USE WITHIN 5m OF BANKTOP (L)	<u>EL</u>	<u>EL</u>	<u>EL</u>	<u>EL</u>	<u>EL</u>	<u>EL</u>	<u>EL</u>	<u>EL</u>
LEFT BANK-TOP (structure within 1m) <u>EL, EC</u>	EL	EL	EL	EL	EL	EL	EL	EL
LEFT BANK FACE (structure) <u>EL, EC</u>	EL	EL	EL	EL	EL	EL	EL	EL
RIGHT BANK FACE (structure) <u>EL, EC</u>	EL	EL	EL	EL	EL	EL	EL	EL
RIGHT BANK-TOP (structure within 1m) <u>EL, EC</u>	EL	EL	EL	EL	EL	EL	EL	EL
LAND USE WITHIN 5m OF BANK TOP (R)	<u>EL</u>	<u>EL</u>	<u>EL</u>	<u>EL</u>	<u>EL</u>	<u>EL</u>	<u>EL</u>	<u>EL</u>

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or / (trace))

NONE (tick as appropriate)								
Liverworts/mosses/lichens								
Emergent broad-leaved herbs								
Emergent reeds/sedges/rushes ^(1/11)	/	/	/	/	/	/	/	/
Floating-leaved (rooted)								
Free-floating								
Amphibious								
Submerged broad-leaved								
Submerged fine/linear-leaved ^(1/11)	/	/	/	/	/	/	/	/
Filamentous algae	/	/	/	/	/	/	/	/

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

P41021.TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 5837

II LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	E
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	/	/	Recessed		
Vertical + toe	/	/	Reinforced - whole bank	/	/
Steep (> 45°)	/	/	Reinforced - top only	/	/
Gulls	/	/	Reinforced - toe only	/	/
Composite	/	/	Artificial two-stage	/	/
Use this space to draw profile if different from above, after ticking preferred box			Peached	/	/
			Embanked	/	/
			Set-back embankments	/	/

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
None	Left Right	E ≥ 33%	None Present E
Isolated/scattered	<input type="checkbox"/> <input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/> <input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/> <input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/> <input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/> <input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/> <input type="checkbox"/>
Semi-continuous	<input type="checkbox"/> <input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/> <input type="checkbox"/>
Continuous	<input type="checkbox"/> <input type="checkbox"/>	Fallen trees	<input type="checkbox"/> <input type="checkbox"/>
		Coarse woody debris	<input type="checkbox"/> <input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None Present E		None Present E	
Waterfall(s) - free-fall	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Marginal dead-water - silt	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Cascades(s) - chute	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Step/pool sequence	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Exposed boulders	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Mature island(s)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Slide(s) - smooth, no eddies	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

P41021.TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	3	Banktop width (m)	<u>13.5</u>	RIGHT BANK	3
Banktop height (m)	<u>3.5</u>	Water width (m)	<u>7.5</u>	Banking height (m)	<u>3.5</u>
Embanked height (m)	<u>0.5</u>	Water depth (m)	<u>0.5</u>	Embanked height (m)	<u>0.5</u>

If bankline lower than banktop break in slope, indicate: height (m) 6.5 width (m) 13.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) 1

M ARTIFICIAL FEATURES (Use 1/11 to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 1 Fords = 0

Recessed = 0 Roadbridges = 0 Part of site ☐ Most/whole of site ☐

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other ? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Bog <input type="checkbox"/>
	Carr <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flush <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use / or E)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other ? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: straightened reach over deep channel, left bank cut-off

Plants of note: rees - willows, alders planted on resection cut bank

Major conservation features: nothing obvious lining both banks

Major impacts: nothing obvious

Incidental observations (animals etc): large fish

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

P41021.TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide corridor)

Mat. = Material ¹ = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ² BE,JO,CO,CL,LA,FE,CL,CC,SP,ST,DA,MA,JP,SW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	ES	RS	RS	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	VS	NO	NO	NO	NO	NO	VS
CHANNEL										
Channel substrate ² NV,BE,JO,CO,CP,SA,SL,CL,AR	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type ² FT,CL,SW,CF,SP,ST,JP,SW,NO	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ² BE,JO,CO,CL,LA,FE,CL,CC,SP,ST,DA,MA,JP,SW	CA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	EC	NO	NO	NO	NO	NO	NO	NO	EC

BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, RP, WL, OW, IL, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m) BAUSC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BAUSC	S	B	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BAUSC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SC	IL	SC	IL	IL	IL	IL	IL	RP	RP

CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (in 31% area) or G (green))

NONE (tick as appropriate)

Ulvae/mosses/lichens										
Emergent broad-leaved herbs										
Emergent medium-leaved herbs	E	E	E	E	E	E	E	E	E	E
Emergent sedge/bulrush										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'tail-half' column for types not occurring in spot checks as well as overall assessment over 500m (use E or G)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 3 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Backstop width (m)	Right Bank
Backstop height (m)	1.5 m	Water width (m)	15 m
Banktop height (m)	1.3	Water depth (m) POSS 2m	Banktop height (m) approx 1.5 m
		Embanked height (m)	

If bankline lower than banktop break in slope, indicate height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (if only)

NOTABLE PLANT FEATURES (Use 1-4 to indicate local number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drugging ☐ mowing ☐ Other? State

weed-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/wide channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Loose debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Flush <input type="checkbox"/>

CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE NUISANCE PLANT SPECIES (Use 1-4 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: *straight section down wide river, bed may be silt or gravel, some gravel bars upstream. Dense channel vegetation submerged veg not visible but could be.*

Plants of note: *relative*

Major conservation features: *relative*

Major impacts: *relative*

Incidental observations (animals etc): *small fish, blue dragonflies*

DISEASED ALGAE (Tick one box)

None ☒ Present ☐ Extensive ☐ Other disease trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: 500m SWEET CORRIDOR Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP (tick one box per feature)

	L	R
Broadleaf/maiden woodland (BL)		
Coniferous plantation (CP)		
Moorland/heath (MH)		
Sorb (SO)		
Rough pasture (RP)		
Tilled land (TL)		
Suburban/urban development (SU)		
Open water (OW)		
Improved/semi-improved grass (IG)		
Artificial/modified		
Vertical/horizontal		
Vertical + toe		
Steep (>45°)		
Geotile		
Composite		
Use this space to draw profile if different from above, after taking groundmarked box		

EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

NEEDLEPOINT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - freefall			Marginal freshwater - slack		
Cascade(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Rune(s) - disturbed, rippled			Mature island(s)		
Roll(s) - swirling			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

NRA RIVER HABITAT SURVEY 1995: 500m SWEET CORRIDOR Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP (tick one box per feature)

	L	R
Broadleaf/maiden woodland (BL)		
Coniferous plantation (CP)		
Moorland/heath (MH)		
Sorb (SO)		
Rough pasture (RP)		
Tilled land (TL)		
Suburban/urban development (SU)		
Open water (OW)		
Improved/semi-improved grass (IG)		
Artificial/modified		
Vertical/horizontal		
Vertical + toe		
Steep (>45°)		
Geotile		
Composite		
Use this space to draw profile if different from above, after taking groundmarked box		

EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

NEEDLEPOINT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - freefall			Marginal freshwater - slack		
Cascade(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Rune(s) - disturbed, rippled			Mature island(s)		
Roll(s) - swirling			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3837

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: *Carrickmore*

Date: 21.12.1995 Time: 9.50 Surveyor name: *AD*

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles (2) Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. * EL, SO, CO, GL, LA, TE, CL, CC, SP, NP, CA, RP, JR, SW	EA	BL	BE	EA	PL	EA	EA	EA	EA	EA
Bank modification(s) NO, AS, RP, CA, LA, EN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) NK, NO, EC, IC, FR, VP, SP, VP	SK	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate * NY, FE, SO, CO, GP, SA, SL, CL, AR	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Flow type * FF, CHAW, LW, CF, SP, UP, SW, NP, NO	UP	RP	UP	UP	UP	UP	UP	UP	UP	UP
Channel modification(s) NK, NO, CV, AS, RL, DA, JO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) NO, JO, NO, VP, SP, VP	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. * EL, SO, CO, GL, LA, TE, CL, CC, SP, NP, CA, RP, JR, SW	LA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NO, AS, RP, CA, LA, EN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) NK, NO, EC, IC, FR, VP, SP, VP	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from FL, CF, SH, SC, EP, VL, OW, IS, TL, SU	FL	CF	SH	SC	EP	VL	OW	IS	TL	SU
LAND USE WITHIN 5m OF BANKTOP (L)	FL	CF	SH	SC	EP	VL	OW	IS	TL	SU
LEFT BANK-TOP (structure within 1m) BUC, C	FL	CF	SH	SC	EP	VL	OW	IS	TL	SU
LEFT BANK FACE (structure) BUC, C	FL	CF	SH	SC	EP	VL	OW	IS	TL	SU
RIGHT BANK FACE (structure) BUC, C	FL	CF	SH	SC	EP	VL	OW	IS	TL	SU
RIGHT BANK-TOP (structure within 1m) BUC, C	FL	CF	SH	SC	EP	VL	OW	IS	TL	SU
LAND USE WITHIN 5m OF BANK TOP (R)	FL	CF	SH	SC	EP	VL	OW	IS	TL	SU
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry, use E (≥ 33% area) or A (present))										
NONE (tick as appropriate)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/bulrushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or A) †

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or A if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)	E		Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or A if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predominant box			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	E
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E		None	Present	E
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater - silt	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rapids(s) - whitewater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Race(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Glides(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	7.75	RIGHT BANK
Banktop height (m)	1.25	Water width (m)	7.75
Embankment height (m)	1.25	Water depth (m)	1.25
If trashline lower than banktop break in slope, indicate: height (m) width (m)			
Bed material at site is: consolidated (compact) <input checked="" type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)			
M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)			
None <input checked="" type="checkbox"/> Culverts = Weirs = Outfalls = Fords =			
Is water level controlled by weirs/dams downstream? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Part of site <input type="checkbox"/> Men/wheel of site <input type="checkbox"/>			
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)			
dredging <input type="checkbox"/> mowing <input type="checkbox"/> Other? State:			
weed-cutting <input type="checkbox"/> enhancement <input type="checkbox"/>			
O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))			
CHANNEL		FLOODPLAIN (50m corridor)	
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input checked="" type="checkbox"/>	Other (state):
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fen <input checked="" type="checkbox"/>	Flush <input type="checkbox"/>	
P CHOKED CHANNEL (Tick one box)			
Is 33% or more of the channel choked with vegetation? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			
Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10)			
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other? State:			
R BRIEF DESCRIPTION (Use prompts and key words as appropriate)			
Descriptive statement: <i>Right bank section of banked channel overgrown with tall grass, some reeds, water level is higher than left bank.</i>			
Plants of note: <i>None</i>			
Major conservation features: <i>None</i>			
Major impacts: <i>None</i>			
Incidental observations (animals etc):			
S DISEASED ALDERS (Tick one box)			
None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other diseased trees? State:			

NRA RIVER HABITAT SURVEY 1995 IFB P-1A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3845

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: S0 382508 River: NEWERIDGE BROOK

Date: 19.05.1995 Time: 11.00 Surveyor name: TS, JW, PH, I, AK, J, W

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with site notes! Essential - return visits required if failure?

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/notes to channel

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 12 Unvegetated point bars

Pools 1 Vegetated point bars

IFE - 10-1 = 500 x (100/1000)

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 10 Pools 1 Unvegetated point bars 1 Vegetated point bars 1

E. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide zone) (tick one)

Spot check 1 is at: upstream end ☐ of site ☒ downstream ☐ (tick one)

LEFT BANK looking downstream

Bank material (fine) BE, PO, CO, SI, SA, FE, CL

Bank modifications ☒ NO, SI, SI, FC, SI, SI, SI

Bank features ☒ NO, NO, EC, SC, FC, FC, FC, FC

CHANNEL NOTE Use scale for aspect of channel

Channel substrate (fine) NO, BE, PO, CO, SI, SA, FE, CL

Flow type (fine) FF, CH, SW, LW, CF, AF, SF, SH, SP, NO

Channel modifications ☒ NO, NO, EC, SC, FC, FC, FC, FC

Channel features ☒ NO, NO, SI, SI, FC, FC, FC, FC

RIGHT BANK looking downstream

Bank material (fine) BE, PO, CO, SI, SA, FE, CL

Bank modifications ☒ NO, SI, SI, FC, SI, SI, SI

Bank features ☒ NO, NO, EC, SC, FC, FC, FC, FC

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: choose one from BL, CP, DH, SC, FF, WL, OW, IS, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) K, K, K, K, K, K, K, K, K, K

LEFT BANK-TOP (structure within 1m) SC, SC, SC, SC, SC, SC, SC, SC, SC, SC

LEFT BANK FACE (structure) SC, SC, SC, SC, SC, SC, SC, SC, SC, SC

RIGHT BANK FACE (structure) SC, SC, SC, SC, SC, SC, SC, SC, SC, SC

RIGHT BANK-TOP (structure within 1m) U, U, U, U, U, U, U, U, U, U

LAND USE WITHIN 5m OF BANK TOP (R) K, K, K, K, K, K, K, K, K, K

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (in 33% area) or F (present))

NONE (tick) Plant genera (tick one)

Liverworts/mosses/lichens ☒ SP, PL, B, C, P, M, S, L, F, A, S, I, C, L, A, R

Emergent broad-leaved herbs ☒ SP, PL, B, C, P, M, S, L, F, A, S, I, C, L, A, R

Emergent narrow-leaved herbs ☒ SP, PL, B, C, P, M, S, L, F, A, S, I, C, L, A, R

Floating-leaved (rooted) ☒ SP, PL, B, C, P, M, S, L, F, A, S, I, C, L, A, R

Free-floating ☐ SP, PL, B, C, P, M, S, L, F, A, S, I, C, L, A, R

Amphibious ☐ SP, PL, B, C, P, M, S, L, F, A, S, I, C, L, A, R

Submerged broad-leaved ☐ SP, PL, B, C, P, M, S, L, F, A, S, I, C, L, A, R

Submerged narrow-leaved ☐ SP, PL, B, C, P, M, S, L, F, A, S, I, C, L, A, R

Filamentous algae ☐ SP, PL, B, C, P, M, S, L, F, A, S, I, C, L, A, R

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

NOTES - Use 1st 2 digits of genus as plant code + species if possible eg PLA plant + PLA species

Repeat 1

SITE NO. 3845 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/bare-improved grass (IG)	<u>E</u>	<u>E</u>
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut	<u>E</u>	<u>E</u>	Recessed	<u>E</u>	<u>E</u>
Vertical + toe			Reinforced - whole bank	<u>E</u>	<u>E</u>
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile of different from above, after taking predetermined box			Peached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	Notes	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	Notes
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Shading of channel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Overhanging boughs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Exposed bankside roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Underwater tree roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Fallen trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Coarse woody debris	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes		None	Present	Notes
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Marginal deadwater - silt	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Exposed bedrock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Exposed boulders	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Runs(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Mature island(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Bail(s) - upwellings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Unvegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Glides(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Vegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	<u>1.3</u>	RIGHT BANK
Banktop height (m)	<u>0.75</u>	Water width (m)	<u>1.0</u>
Embanked height (m)	<u>0.05</u>	Water depth (m)	<u>0.05</u>
		Embanked height (m)	<u>0.75</u>

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (temp) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 1 Outfalls = 1 Ponds = 1

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State: None

wood-cutting ☐ embankment ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)

Graded/side channels ☐ Artificial open water ☐ Bog ☐ Other (state): None

Debris dams ☒ Natural open water ☐ Carr ☐

Leafy debris ☐ Water meadow ☐ Marsh ☐

Fen ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/11 indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: None

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Small agricultural ditch. Hedge running along

Plants of note: (see list) Wet of LHB

Major conservation features: None

Major impacts: RS in past

Incidental observations (animals etc): None

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: None

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for forwarding. Labels supplied.

Have you completed your responses from this week? (Send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: IFB P-1A-A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3846
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: SD 425587 River: ARROW
 Date: 19.1.1995 Time: 08.45 Surveyor name: J. H. P. H. A. K. T. G. W.
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Photographs: general character? No ☐ Yes ☒ (tick one box) Site No. 1
 Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorgo ☒ asymmetrical floodplain
☐ concave/bowl + notes: note 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164,

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source (km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3847
Mid-section grid reference of network site if different from designated location:
COMPLET THE FOLLOWING FOR ALL SITES
Grid Reference: 50 425587 River: LUCK
Date: 17.5.1995 Time: 17:00 Surveyor name: W. J. H. M. L. A. K. T. W.
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None
Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)
Photographs: general character? No ☒ Yes ☐ (tick one box) with site map on board
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☒ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + note/adj. to main river
DEEP VEE, BUT WITH WIDE FLOODPLAIN (OR ASYMMETRICAL)

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars
Pools Vegetated point bars

IFE - Inland - See 1995.12.13

National Rivers Authority

J.H.S. record named initial date

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box only)

Spot check 1 is at: upstream end ☐ downstream end ☒ (tick one box)

LEFT BANK

Bank material (fine) EA EA EA EA EA EA EA EA EA EA
Bank modification(s) ☒ EA EA EA EA EA EA EA EA EA EA
Bank feature(s) ☒ EA EA EA EA EA EA EA EA EA EA
CHANNEL NOTE: 1.5m wide, 1.5m deep, 1.5m wide, 1.5m deep
Channel substrate (fine) EA EA EA EA EA EA EA EA EA EA
Flow type (fine) EA EA EA EA EA EA EA EA EA EA
Channel modification(s) ☒ EA EA EA EA EA EA EA EA EA EA
Channel feature(s) ☒ EA EA EA EA EA EA EA EA EA EA
RIGHT BANK
Bank material (fine) EA EA EA EA EA EA EA EA EA EA
Bank modification(s) ☒ EA EA EA EA EA EA EA EA EA EA
Bank feature(s) ☒ EA EA EA EA EA EA EA EA EA EA

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, NL, SC, EP, WL, OW, IL, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) EA EA EA EA EA EA EA EA EA EA
LEFT BANK FACE (structure) EA EA EA EA EA EA EA EA EA EA
RIGHT BANK FACE (structure) EA EA EA EA EA EA EA EA EA EA
RIGHT BANK-TOP (structure within 1m) EA EA EA EA EA EA EA EA EA EA
LAND USE WITHIN 5m OF BANK TOP (R) EA EA EA EA EA EA EA EA EA EA

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (at 33% area) or G (green))

NONE (tick) ☒ Plant growth (tick one box)
Leverwort ☒
Emergent broad-leaved ☒
Emergent reed ☒
Floating-leaved ☒
Free-floating ☒
Amphibious ☒
Submerged broad-leaved ☒
Submerged fine-leaved ☒
Filamentous algae ☒

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or G)

PLANTS - Use 1st 2 letters of genus of plant, e.g. SA for Sagittaria + species if possible e.g. SA for Sagittaria arifolia

REPEAT 1

SITE NO. 3847 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (at 33% banklength) or G if present)

L R

Broadleaved woodland (BL) ☒ Wetland (eg bog, marsh, fen) (WL) ☐
Coniferous plantation (CP) ☐ Open water (OW) ☒
Moorland/heath (MH) ☐ Improved/unimproved grass (IG) ☐
Scrub (SC) ☒ Tilled land (TL) ☐
Rough pasture (RP) ☐ Suburban/urban development (SU) ☐

I BANK PROFILES (Use E (at 33% banklength) or G if present)

Natural/unmodified L R Artificial/modified L R

Vertical/undercut ☒ ☒ Resectioned ☐
Vertical + toe ☒ Reinforced - whole bank ☐
Steep (> 45°) ☒ Reinforced - top only ☐
Gentle ☒ Reinforced - toe only ☐
Composite ☒ Artificial two-stage ☐
Use this space to draw profile of different from above, after noting predominant box
Peached ☐
Embanked ☐
Set-back embankments ☐

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☒ Left ☐ Right ☐ **ASSOCIATED FEATURES (Tick one box per feature)**

None ☒ Present ☐ **None Present**

Isolated/scattered ☐ ☐ Shading of channel ☐ ☐
Regularly spaced, single ☐ ☐ Overhanging boughs ☐ ☐
Occasional clumps ☐ ☐ Exposed bankside roots ☐ ☐
Semi-continuous ☐ ☐ Underwater tree roots ☐ ☐
Continuous ☐ ☐ Fallen trees ☐ ☐
Coarse woody debris ☐ ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☒ ☐ ☐ **Marginal deadwater - silt** ☐ ☐ ☐
Cascade(s) - chute ☐ ☐ ☐ **Exposed bedrock** ☐ ☐ ☐
Shoal/pool sequence ☐ ☐ ☐ **Exposed boulders** ☐ ☐ ☐
Rapid(s) - whitewater ☐ ☐ ☐ **Unvegetated mid-channel bars** ☐ ☐ ☐
Riffle-pool sequence ☐ ☐ ☐ **Vegetated mid-channel bars** ☐ ☐ ☐
Run(s) - disturbed, rippled ☐ ☐ ☐ **Mature island(s)** ☐ ☐ ☐
Boil(s) - upwellings ☐ ☐ ☐ **Unvegetated side bars** ☐ ☐ ☐
Glide(s) - smooth, no eddies ☐ ☐ ☐ **Vegetated side bars** ☐ ☐ ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK **RIGHT BANK**

Banktop width (m) 12.0 Banktop height (m) 1.75
Water width (m) (R) 1.0 Banktop height (m) 1.75
Embankment height (m) 1.0 Water depth (m) 1.0 Embankment height (m) 1.0

If trashline lower than banktop break in slope, indicate: height (m) width (m)
Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ SLT unknown ☐
Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =
Footbridges = Other = Part of site ☐ Most/whole of site ☐
Is water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drugging ☐ mowing ☐ Other ? State None
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL **FLOODPLAIN (50m corridor)**

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) None
Braided/wide channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flurb ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10 indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State None

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Slow flowing deep channel, mostly straight sides.
Plants of note (see list)
Major conservation features: BL on LHB
Major impacts:
Incidental observations (animals etc):
IFE channel is probably just old!
SEVERE DISEASED ALDERS (tick one box)
None ☐ Present ☒ Extensive ☐ Other diseased trees? State None

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6DB
Envelopes supplied! Post completed forms for processing - labels supplied

Have you completed your copies from this week? (send to PWD for signature!)

DATES. Record 125 prepared initiated dateless checks

PLANTS - Use 1st ability of beans of Pota & Pota naga
+ species if possible of Pota past & Pota naga past naga

Have you completed your expenses for this week? (send to FWD for signature!)

Envelopes supplied! Post completed films for processing - labels supplied + stamps

DATES. Record PAGES 12, 76	pr: record	validated	date/line checks
-------------------------------	------------	-----------	---------------------

PLANTS - Use 1st 4 letters of genus eg Pota, Potamo-
+ species if possible eg Pota sect: Potamocten cestivatus

Have you completed your expenses from this week? (send to FND for signature!)

NRA RIVER STABILITAT SURVEY 1995: CHANNEL DIMENSIONS TO be measured at one site				CHANNEL DIMENSIONS AND INFLUENCES Page 4 of 4			
1. CHANNEL DIMENSIONS To be measured at one site				2. straight uniform section, preferably across a riffle			
LEFT BANK		Banktop width (m)		3.0		RIGHT BANK	
Banktop height (m)		Water width (m)		1.0		Banktop height (m)	
Embanked bank (m)		Water depth (m)		0.15		Embanked height (m)	
If (tashline lower than banktop break in slope, indicate: height (m)				2.5 width(m) 4.5			
Bed material at site is: consolidated (compact) <input checked="" type="checkbox"/> uncased <input type="checkbox"/>				dated (loose) <input type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement is: riffle <input type="checkbox"/> run or glide <input type="checkbox"/> other <input checked="" type="checkbox"/> (tick one box)				Slope (IFE only) 1.5			
3. ARTIFICIAL FEATURES (Use <input checked="" type="checkbox"/> to indicate total number)				tick "none" where appropriate			
None <input type="checkbox"/>		Number of Culverts =		Weirs =		Outfalls =	
Is water level controlled by weirs/dams downstream? No <input checked="" type="checkbox"/>		Footbridges = 1		Roadbridges =		Fords =	
Part of site <input type="checkbox"/> <input type="checkbox"/> More/whole of site <input type="checkbox"/>							
4. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate)				date (see)			
dredging <input type="checkbox"/>		mowing <input type="checkbox"/>		Other? State			
weed-cutting <input type="checkbox"/>		enhancement <input type="checkbox"/>					
5. FEATURES OF SPECIAL INTEREST (Tick appropriate)				waterfall <input type="checkbox"/> (see)			
CHANNEL		FLOODPLAIN (50m across)					
Waterfalls > 5m high <input type="checkbox"/>		Artificial open water <input type="checkbox"/>		Bog <input type="checkbox"/> Other (state)			
Erosion/side channels <input type="checkbox"/>		Natural open water <input type="checkbox"/>		Carr <input type="checkbox"/>			
Debris dams <input type="checkbox"/>		Water meadow <input type="checkbox"/>		Marsh <input type="checkbox"/>			
Leafy debris <input type="checkbox"/>		Fen <input type="checkbox"/>		Flush <input type="checkbox"/>			
6. CHOKED CHANNEL (Tick one box)							
Is 33% or more of the channel choked with vegetation? <input type="checkbox"/> YES <input checked="" type="checkbox"/>							
7. NOTABLE NUISANCE PLANT SPECIES (Use <input type="checkbox"/> or <input checked="" type="checkbox"/>				Note: tick <input type="checkbox"/> or <input checked="" type="checkbox"/>			
Giant Hogweed <input type="checkbox"/>		Himalayan Balsam <input type="checkbox"/>		Japanese Knotweed <input type="checkbox"/>		Other? State	
8. BRIEF DESCRIPTION (Use prompts and key words at appropriate)				Detail (Sentence)			
Descriptive sentence: Deep R.S. stream through marsh and bottom 0.2m of bank - 2nd side							
Plants of note: <i>Phragmites</i> of overbank and some <i>Salix</i>							
Major conservation features: <i>19016</i>							
Major impacts: <i>AGRICULTURE</i>							
Incidental observations (animals etc):							
9. CHEMICAL ANALYSIS (Tick one box)							
None <input checked="" type="checkbox"/>		Present <input type="checkbox"/>		Extensive <input type="checkbox"/>		Other (state)	
10. DISPERSED ALDERS (Tick one box)							
None <input checked="" type="checkbox"/>		Present <input type="checkbox"/>		Extensive <input type="checkbox"/>		Other (state)	
11. COMMENTS							
12. SENDER'S NAME AND ADDRESS							
13. DATE							

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope(m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: **3855**

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: **S1327 S07** River: **DENG**

Date: **5/5/1995** Time: **11.45** Surveyor name: **T. W. M. I. G. A. K. T. M.**

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state: **6-2 mlt. No (16) FWD**

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) **Site No. on Board**

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/extra diagrams

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles **5** Unvegetated point bars

Pools **3** Vegetated point bars

IFE 10-14 - See 10-14 (10-14)

National Rivers Authority

DATES: heard 10/5 prepared validated deleted

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream end ☐ of site ☐ (tick one)

LEFT BANK (tick one box)

Bank material (fine) **EA EA EA EA EA EA EA EA EA EA**

Bank modification(s) ☐ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank features(s) ☐ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

CHANNEL NOTE (tick one box)

Channel substrate (fine) **EP CO GP SP GP GP GP GP GP GP**

Flow type (fine) **RP RF SM NP SU RP SM RP SM NP**

Channel modification(s) ☐ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Channel features(s) ☐ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

RIGHT BANK (tick one box)

Bank material (fine) **EA EA EA EA EA EA EA EA EA EA**

Bank modification(s) ☐ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank features(s) ☐ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, IL, IC, AP, PL, GW, IG, TL, IU

LAND USE WITHIN 5m OF BANKTOP (L) **BL BL BL BL BL BL BL BL BL BL**

LEFT BANK-TOP (structure within 1m) **BL BL BL BL BL BL BL BL BL BL**

LEFT BANK FACE (structure) **BL BL BL BL BL BL BL BL BL BL**

RIGHT BANK FACE (structure) **BL BL BL BL BL BL BL BL BL BL**

RIGHT BANK-TOP (structure within 1m) **BL BL BL BL BL BL BL BL BL BL**

LAND USE WITHIN 5m OF BANKTOP (R) **BL BL BL BL BL BL BL BL BL BL**

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one code, max 3 (e.g. 33% area) or 4 (percent))

NONE (tick one box)

Plant genera (tick one box)

Emergent broad-leaved herbs ☐

Emergent reeds ☐

Emergent sedges ☐

Flowering-leaved (reeds) ☐

Free-floating ☐

Amphibious ☐

Submerged - broad-leaved ☐

Submerged fine-leaved ☐

Filamentous, algae ☐

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or A) †

PLANTS - Use tick in boxes of genera or species if possible of both parts of a Polyanthus partition

REPEAT 1

SITE NO. **3855** NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or I if present)

LEFT BANK

Broadleaf/deciduous woodland (BL) ☐

Coniferous plantation (CP) ☐

Moorland/heath (MH) ☐

Scrub (SC) ☐

Rough pasture (RP) ☐

RIGHT BANK

Wetland (eg bog, marsh, fen) (WL) ☐

Open water (OW) ☐

Improved/semi-improved grass (IG) ☐

Tilled land (TL) ☐

Suburban/urban development (SU) ☐

1. BANK PROFILES (Use E (≥ 33% banklength) or I if present)

Natural/unmodified ☐

Vertical/undercut ☐

Vertical + toe ☐

Steep (>45°) ☐

Gentle ☐

Composite ☐

Artificial/modified ☐

Reinforced ☐

Reinforced - whole bank ☐

Reinforced - top only ☐

Reinforced - toe only ☐

Artificial two-stage ☐

Poached ☐

Embanked ☐

Set-back embankments ☐

2. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☐

Isolated/scattered ☐

Regularly spaced, single ☐

Occasional clumps ☐

Semi-continuous ☐

Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

Stalling of channel ☐

Overhanging boughs ☐

Exposed bankside roots ☐

Underwater tree roots ☐

Fallen trees ☐

Coarse woody debris ☐

3. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall ☐

Cascade(s) - chute ☐

Shoal/pool sequence ☐

Rapid(s) - whitewater ☐

Riffle-pool sequence ☐

Run(s) - disturbed, rippled ☐

Boil(s) - upwellings ☐

Slide(s) - smooth, no eddies ☐

Marginal deadwater - slack ☐

Exposed bedrock ☐

Exposed boulders ☐

Unvegetated mid-channel bars ☐

Vegetated mid-channel bars ☐

Mature island(s) ☐

Unvegetated side bars ☐

Vegetated side bars ☐

Have you completed your enquiries for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) **5.0**

Banktop height (m) **1.2**

Embanked height (m) **0.1**

RIGHT BANK

Banktop width (m) **3.0**

Banktop height (m) **3.0**

Embanked height (m) **0.1**

If trashing lower than banktop break in slope, indicate: height (m) **1.2** width (m) **3.5**

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) **1**

M. ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☐

Number of Culverts = **3** Weirs = **3** Roadbridges = **3** Fords = **3**

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State **1**

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐

Artificial open water ☐

Grassed/side channels ☐

Natural open water ☐

Debris dams ☐

Water meadow ☐

Leafy debris ☐

Fen ☐

Flush ☐

FLOODPLAIN (50m corridor)

Bog ☐

Other (state) **1**

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State **1**

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: **Channel with SW on one side of weeds on the other**

Plants of note (see 1-14): **Enriched - i.e. abundant algae!**

Major conservation features: **Wetland**

Major impacts: **STW**

Incidental observations (animals etc): **1**

IFE 2 channels only (tick one box)

S. DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other disease treat? State **1**

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Enquiries supplied! Post completed forms for processing. Labels supplied separately

NRA RIVER HABITAT SURVEY 1995 *(in A.A.A.)* Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION		
Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ?	Navigation ?

B. FIELD SURVEY DETAILS	
Reference network site number: 3856	
Mid-section grid reference of network site if different from designated location:	
COMPLETE THE FOLLOWING FOR ALL SITES	
Grid Reference: SP 48551Z	River: NICH FURLOISG BROOK <small>TH TH PH I B AK 78m</small>
Date 21/5/1995 Time 11.20	Surveyor name <small>(write or add)</small> G.C. M.L.Y. No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>
Adverse conditions affecting survey? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state _____	
Bed of river visible? No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input checked="" type="checkbox"/> (tick one box) <small>general features</small>	
[] <small>Essential photographs: general character? No</small> [] <small>[Essential = rather more required if features]</small> Yes <input checked="" type="checkbox"/> (tick one box) <small>with 50% Hg on!</small>	
Site surveyed from: left bank <input type="checkbox"/> right bank <input type="checkbox"/> channel <input checked="" type="checkbox"/> (tick as appropriate)	

C. PREDOMINANT VALLEY FORM (tick one box only)	
 <input type="checkbox"/> shallow vee	 <input type="checkbox"/> terraced valley floor
 <input type="checkbox"/> deep vee	 <input checked="" type="checkbox"/> symmetrical floodplain
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain + notes/made by streamer
 <input type="checkbox"/> concave/bowl	

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [11] then indicate total number)	
Riffles III R = 4	Unvegetated point bars |
Pools XII W = 3	Vegetated point bars |

IF E=not - see notes on page 2

National Rivers Authority

DATES. Recd 10/5 framed validated dated
29/6/78 checks

Page 2 of 4

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS

Riffles (✓) Pools Unvegetated point bars Vegetated point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (Mark max positive) Feature (✓)

Spot check 1 is at upstream end of site (Mark max)

	1	2	3	4	5	6	7	8	9	10	Max
LEFT BANK - looking downstream											
Bank material (fine) RE,PO,CO,CL,EA,FC,CL	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input checked="" type="checkbox"/> NO,SL,LP,CAN,LM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features(s) <input checked="" type="checkbox"/> AK,NO,EC,CCL,FR,VP,LP,VT	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	SC
CHANNEL NOTE <input checked="" type="checkbox"/> Use multiple, adjacent, or adjacent											
Channel substrate (fine) NO,RE,PO,CO,CL,EA,FC,CL	GP	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Flow type (fine) LT,CH,NW,UP,CF,SP,ST,SH,LP,NO	RF	SM	RP	SM	SM	SM	NP	NP	NP	SM	SM
Channel modification(s) <input checked="" type="checkbox"/> AK,NO,SL,EA,FC,CL	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features(s) <input checked="" type="checkbox"/> NO,NO,LP,FR,VP,VT	V3	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - looking downstream											
Bank material (fine) RE,PO,CO,CL,EA,FC,CL	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input checked="" type="checkbox"/> NO,SL,LP,CAN,LM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features(s) <input checked="" type="checkbox"/> AK,NO,EC,CCL,FR,VP,LP,VT	NO	SC	NO	NO	NO	NO	NO	NO	NO	NO	SC
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)											
Land use: choose one from SL, CP, NW, EC, RP, VL, OW, IG, IL, SU OP = ORCHARDS PLANTATION											
LAND USE WITHIN 5m OF BANKTOP (L)	SC	IL	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOPO (structure within 1m) BANK/SC	C	S	U	U	U	U	S	S	S	C	C
LEFT BANK FACE (structure) BANK/SC	C	S	B	S	U	S	U	S	S	S	S
RIGHT BANK FACE (structure) BANK/SC	S	B	B	U	U	B	S	S	S	U	U
RIGHT BANK-TOPO (structure within 1m) BANK/SC	U	U	U	U	U	S	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SC	IG	IG	IG	OP	OP	OP	OP	OP	OP	IG
G CHANNEL VEGETATION TYPES (fill in reference boxes with one entry: use E (to 33% area) or G (percent))											
NOISE plot <input checked="" type="checkbox"/> Plant species (list max)											
Littoral zone											
Emergent broad-leaved herbs											
Emergent reeds/sedges/rushes											
Flowering (woody)											
Free-floating											
Amphibious											
Schreiner broad-leaved											
Submerged float-leaved											
Flowering algae											

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or G) †

SITE NO. 3856 **NRA RIVER HABITAT SURVEY 1995: 600m SWEEP-UP** **Page 3 of 4**

H LAND USE WITHIN 50m OF BANKTOP Use E (= 33% banklength) or J if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WTJ)		
Cauliswain plantations (CP) OR L (L&P&D)		E	Open water (OW)		
Moorland/heath (MH)			Improved/fen-improved grass (IG)	F	F
Scrub (SC)	✓	✓	Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES Use E (= 33% banklength) or J if present

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	Z Z		Recessed		
Vertical + toe	Z		Reinforced - whole bank	Z	
Steep (> 45°)	Z	E F	Reinforced - top only		
Gentle	Z	✓	Reinforced - toe only		
Composite	Z	E F	Artificial two-stages		
Use this space to draw profile if different from above, after noting predominant bed			Peculiar		E
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left		Right	WATER	ASSOCIATED FEATURES (Tick one box per feature)				
	L & R	None			Present H	No trees			
None	<input type="checkbox"/>	<input type="checkbox"/>			E ≥ 25%	<input type="checkbox"/>	None	<input checked="" type="checkbox"/> Present H	No trees
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>			Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>			Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>			Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>			Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>			Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
					Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None		Present H		None		Present H	No trees
	L	R			L	R		
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>			Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>			Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>			Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>			Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequences	<input type="checkbox"/>	<input checked="" type="checkbox"/>			Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>			Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boile(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>			Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grades(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>			Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Have you completed your expenses for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK		RIGHT BANK	
Backstop width (m)		Backstop width (m)	
Backstop height (m)	2.0	Backstop height (m)	1.25
Embanked height (m)		Embanked height (m)	
Water width (m)		Water width (m)	
Water depth (m)		Water depth (m)	

If threshold lower than backstop break in slope, indicate: height (m) 1.25 width (m) 4.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) _____

M ARTIFICIAL FEATURES (Use ☒ indicate total number, tick "none" where appropriate)

None	Number of	Culverts =	Weir =	Outfalls =	Ferds =
		Poonbridges =	Reedbridges =	Others =	

Is water level controlled by weildam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging	mowing	Other ? State
<input type="checkbox"/>	<input type="checkbox"/>	
weed-cutting <input type="checkbox"/>	enhancement <input type="checkbox"/>	

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Wet/dry/dry channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input checked="" type="checkbox"/>	Water meadow <input type="checkbox"/>
Loose debris <input checked="" type="checkbox"/>	Fen <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 35% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOYABLE NUISANCE PLANT SPECIES (Use ☒ tick one box)

Giant Hogweed	Himalayan Balsam	Japanese Knotweed	Other ? State
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Small stream, meandering. Low flow at time of survey

Plants of note: _____

Major conservation features: _____

Major impacts: Downstream of a Reservoir. (Boddington)

Incidental observations (animals) etc.: _____

IF each cell only ticks ☒ Filtered ☒

S DISEASED ALDERS (Tick one box)

None	Present	Extensive	Other diseased trees	State
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for posting. Labels supplied.

DATES. Record	present	inhabited	detritus clashes
---------------	---------	-----------	---------------------

PLANTS - Use 1st 4 letters of Genus \rightarrow Pota, Pota negation
+ species if possible \rightarrow Pota pest & Pota negation pestinatio

Have you completed your expenses from this week? (send to FWD for signature!)

P-45421.73

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3858
Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 647597 River: NENE
Date: 26/5/1995 Time: 16:00 Surveyor name: T. H. P. H. I. A. K. T. O.
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general features ☐ No ☒ Yes ☐ (tick one box) with site No on!
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/mph 7 mman

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 3 Unvegetated point bars
Pools 2 Vegetated point bars
IFE and - see 200 1000

National Rivers Authority

DATES: Record prepared initial checked

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	E
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R	Artificial/modified	L	R
Natural/unmodified			Recessed		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Slope (> 45°)			Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Poached		
			Embanked		
			Set-back embankments		

Use this space to draw profile if different from above, after noting predominant box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	NOTES	ASSOCIATED FEATURES	None	Present E	NOTES
None	<input type="checkbox"/>	<input type="checkbox"/>		Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E	NOTES		None	Present E	NOTES
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Riffle-pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Runs(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Boils(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Have you completed your squares from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles ☒ Pools ☐ Unvegetated point bars ☐ Vegetated point bars ☐

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (Mark presence of feature)

Spot check 1 is at: upstream end ☐ of site ☐ (Tick one)

	1	2	3	4	5	6	7	8	9	10	Notes
LEFT BANK: (tick one)											
Bank material (fine)	RR	SA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	RI	NO	NO	NO	RS	RS	RS	RS	RS	NO	
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
CHANNEL NOTE: (tick one)											
Channel substrate (fine)	GP	FP	FP	FP	SA	FP	FP	CL	SA	FP	
Flow type (one)	FF	CL	FP	FP	SA	FP	FP	CL	SA	FP	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel features(s)	NO	NO	TR	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK: (tick one)											
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	PC	PC	RS	RS	RS	RS	RS	RS	RS	RS	
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, RP, WL, OW, SU, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m)	S	S	S	S	U	U	U	U	U	U
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	U	B	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m)	S	U	S	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SC	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or / if present)

Plant group (tick one)	1	2	3	4	5	6	7	8	9	10
None (tick)										
Emergent broad-leaved herbs										
Emergent reeds/rushes										
Flowering-leaved (grasses)										
Free-floating										
Amphibious										
Submerged - broad-leaved										
Submerged fine-leaved										
Filament, algae	E	E	E	E	E	E	E	E	E	E

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

PLANTS - Use tick symbols of groups of plants together + species if possible eg *Potamogeton pectinatus*

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	13.0	RIGHT BANK
Banktop height (m)	2.25	Water width (m)	6.0
Embanked height (m)		Water depth (m)	0.2
		Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = ☐ Weirs = ☐ Outfalls = ☐ Fords = ☐

It water level controlled by weir/dam downstream? No ☒ Part of site ☐ (tick one box) Whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State:

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)	Bag	Other (state)
Waterfalls > 5m high	Artificial open water		
Braided/side channels	Natural open water		
Debris dams	Water meadow		
Leafy debris	Fen		

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use E or /)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Top and just below mill, with pool & M1.
Plants of note (see list): After confluence with side channel, then RS banks, some clay.
Major conservation features: RS banks. Trees extensive at both ends - clear section in middle.
Major impacts:

Incidental observations (animals etc):

IFE 2 channel survey taken B filtered

S DISEASED ALDERS (Tick one box)

None ☐ Present ☒ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for posting - labels supplied separately

NRA RIVER HABITAT SURVEY 1995: IFE P.A.A. Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3859

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SP 73595 River: NENE

Date: 23/6/1995 Time: 16:00 Surveyor name: TB, TW, PH, I, AK, 76m

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/mk diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/2 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE (Ind - See survey report)

National Rivers Authority

DATES, Record prepared validated date

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles Pools Unvegetated point bars Vegetated point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream and downstream (Tick one)

LEFT BANK: left bank (tick one)

RIGHT BANK: right bank (tick one)

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, RP, WL, OW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUSC

LEFT BANK FACE (structure) BAUSC

RIGHT BANK FACE (structure) BAUSC

RIGHT BANK-TOP (structure within 1m) BAUSC

LAND USE WITHIN 5m OF BANK TOP (K)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or V (percent))

NONE (tick)

Plant genera (tick one)

Free-floating

Amphibious

Submerged - broad-leaved

Submerged fine-leaved

Flamant, algae

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

PLANTS - Use not 4 letters of genus of plant + species if possible of plant part + botanical part

REFRAT

SITE NO. 3859 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or V if present)

Broadleaf/mixed woodland (BL)

Coniferous plantation (CP)

Moorland/heath (MH)

Scrub (SC)

Rough pasture (RP)

Wetland (eg bog, marsh, fen) (WL)

Open water (OW)

Improved/semi-improved grass (IG)

Tilled land (TL)

Suburban/urban development (SU)

I BANK PROFILES (Use E (≥ 33% banklength) or V if present)

Natural/unmodified

Vertical/undercut

Vertical + toe

Steep (> 45°)

Gentle

Composite

Artificial/modified

Retained

Reinforced - whole bank

Reinforced - top only

Reinforced - toe only

Artificial toe-surge

Peached

Embanked

Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

Left Right

None

Isolated/dominated

Regularly spaced, single

Occasional clumps

Semi-continuous

Continuous

ASSOCIATED FEATURES (Tick one box per feature)

E ≥ 33%

Shading of channel

Overhanging boughs

Exposed bankside roots

Underwater tree roots

Fallen trees

Coarse woody debris

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall

Cascade(s) - chute

Step/pool sequence

Rapid(s) - whitewater

Riffle-pool sequence

Run(s) - disturbed, rippled

Boil(s) - upwellings

Glides(s) - smooth, no eddies

Marginal deadwater - slack

Exposed bedrock (CL)

Exposed boulders

Unvegetated mid-channel bars

Vegetated mid-channel bars

Mature island(s)

Unvegetated side bars

Vegetated side bars

Have you completed your expenses from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m)

Banktop height (m)

Embanked height (m)

RIGHT BANK

Banktop width (m)

Banktop height (m)

Embanked height (m)

Water width (m)

Water depth (m)

Height (m)

Width (m)

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/2 then indicate total number, tick 'none' where appropriate)

None ☒ Number of

Culverts =

Footbridges =

Weirs =

Roadbridges =

Outfalls =

Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drogging ☐ mowing ☐ Other? State

wood-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐

Braided/side channels ☐

Debris dams ☐

Leafy debris ☐

FLOODPLAIN (50m corridor)

Artificial open water ☒

Natural open water ☐

Water meadow ☐

Fen ☐

Bog ☐

Carr ☐

Marsh ☐

Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use V or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: lowland channel - GP/SI; plw clay substratum

Plants of note: (see list) lawns, flms. Open Grassland

Major conservation features: large open water (245)

Major impacts: RS/RA - increasing at current

Incidental observations (animals etc):

IFE? chemical sample taken ☒ filtered ☐

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing - labels supplied separately

DATE. Record	processed	validated	date/time checked
199412.21			








PLANTS - Use 1st 4 letters of genus eg Pol. & Pol. negation
+ species if possible eg Pol. sect. & Pol. negation section

Have you completed your requests form this week? (send to FHD for signature!)

None ☒ Present ☐ Extensive ☐ Other discussed issues? ☐ Suite

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied separately.

A BACKGROUND MAP-BASED INFORMATION			
Altitude(m)	Slope (m/km)	Flow category (1-10)	
Solid geology code	Drift geology code	Planform category	
Distance from source(km)	Significant tributary ?	Navigation ?	
B FIELD SURVEY DETAILS			
Reference network site number: <u>3861</u>			
Mid-section grid reference of network site if different from designated location:			
COMPLETE THE FOLLOWING FOR ALL SITES			
Grid Reference: <u>5975578</u>		River: <u>GREAT OUSE</u>	
Date <u>3.12.1995</u> Time: <u>11:10</u>		Surveyor name <u>(unclassified)</u>	
Adverse conditions affecting survey? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state			
Bed of river visible? No <input checked="" type="checkbox"/> partially <input type="checkbox"/> entirely <input type="checkbox"/> (tick one box)			
Disturbance Photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (tick one box) <u>with 1/2 m on 1/2 m</u>			
Site surveyed from: left bank <input type="checkbox"/> right bank <input checked="" type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)			
C. PREDOMINANT VALLEY FORM (tick one box only)			
	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl	+ notes/extra diagram	
D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [1] then indicate total number)			
Riffles	Unvegetated point bars	|	
Pools	Vegetated point bars	|	

166-10-1 - See also 166-10-2

National Rivers Authority

[illegible]

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source (km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3862

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TLO16582 River: Great Ouse

Date 3.1.1995 Time: 13.45 Surveyor name: J. N. H. (MAY NO 196 FND)

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Damages photographs: general character? No ☒ Yes ☐ (tick one box) Site No. 1

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on floodplain

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE - 1-10 - see code on page 1A

National Rivers Authority

DATES: record 10/5 planned 10/5 visited 10/5 details 10/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ mid-section ☒ downstream end ☐ (tick one box)

LEFT BANK (section downstream)

Bank material (fine) FA FA FA FA FA FA CL CL CL CL

Bank modification(s) NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NO SC NO NO NO NO NO NO NO NO

CHANNEL NOTE - Use the bank of the channel (tick one box)

Channel substrate (fine) GP NV NV NV NV NV GP NV NV

Flow type (fast) SM SM SM SM SM SM NP NP NP NP

Channel modification(s) NO NO NO NO NO NO NO NO NO NO

Channel feature(s) NO NO NO NO NO NO NO NO NO NO

RIGHT BANK (section downstream)

Bank material (fine) FA FA FA FA FA FA FA FA FA FA

Bank modification(s) NO NO NO NO NO NO NO NO NO NO

Bank feature(s) SC SC SC SC SC SC NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: choose one from R, CP, NP, SC, RP, VE, OW, M, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) RP RP RP RP RP RP RP RP RP RP

LEFT BANK-TOP (structure within 1m) RASC

LEFT BANK FACE (structure) RASC

RIGHT BANK FACE (structure) RASC

RIGHT BANK-TOP (structure within 1m) RASC

LAND USE WITHIN 5m OF BANKTOP (R) SC SC SC SC SC SC SC SC SC SC

G CHANNEL VEGETATION TYPES (tick one box, use R (0-33% area) or L (33-100% area))

NONE (tick) Plant growth (fast) ☒

Liverworts mosses/lichens ☐

Emergent rooted ☐

Emergent rooted ☐

Flowering (ground) ☐

Free-floating ☐

Amphibious ☐

Submerged ☐

Submerged line ☐

Filament, algae ☐

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or V) !

PLANTS - Use list of plants of Great Ouse, or list of plants of other rivers + species if possible eg. Pota. peat + Polystichum fructuosa

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (0-33% banklength) or L if present)

Broadleaf/mixed woodland (BL) Wetland (eg. bog, marsh, fen) (WL)

Coniferous plantations (CP) Open water (OW)

Moorland/heath (MH) Improved/semi-improved grass (IG)

Scrub (SC) Tilled land (TL)

Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (0-33% banklength) or L if present)

Natural/unmodified L R Artificial/modified L R

Vertical/unmodified 2 2 Reinforced - whole bank 2 2

Vertical + toe 2 2 Reinforced - top only 2 2

Steep (> 45°) 2 2 Reinforced - toe only 2 2

Gentle 2 2 Artificial two-stage 2 2

Composite 2 2

Use this space to draw profile of difference from above, after taking predominant bank

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☒ Isolated/scattered ☐ Regularly spaced, single ☐ Occasional clumps ☐ Semi-continuous ☐ Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

Banking of channel ☐ Overhanging boughs ☐ Exposed bankside roots ☐ Underwater tree roots ☐ Fallen trees ☐ Coarse woody debris ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☒ Cascades(s) - close ☐ Step/pool sequence ☐ Rapid(s) - underwater ☐ Riffle-pool sequence ☐ Run(s) - disturbed, rippled ☐ Boil(s) - spilling ☐ Glides(s) - smooth, no adides ☐

Marginal deadwater - silt ☐ Exposed bedrock ☐ Exposed boulders ☐ Unvegetated mid-channel bars ☐ Vegetated mid-channel bars ☐ Mature island(s) ☐ Unvegetated side bars ☐ Vegetated side bars ☐

Have you completed your enquiries from this week? (send to FND for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 27 RIGHT BANK

Banktop height (m) 2 Water width (m) 23 Banktop height (m) 2

Embarked height (m) Water depth (m) Embarked height (m)

If transition lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10 then indicate total number)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =

Footbridges = Roadbridges = Other =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ moving ☐ Other? State: springing on margin of

weed-cutting ☐ enhancement ☐ Other? State: "valleys"

O OTHER FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state):

Brillids/side boulders ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Pin ☐ Flush ☐

P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (tick one box)

Grass Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: NUISANCE

R BRIEF DESCRIPTION (use primary and key words as appropriate) (The "Site Notes" section)

Descriptive statement: Lightly managed, isolated river. Artificial ponds adjacent.

Plants of note: Mature willows

Major conservation features: Mature willows

Major impacts:

Incidental observations (animals etc):

IFE - 1-10 - see code on page 1A

S DISEASED ALDERS (tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing - labels supplied.

DATE. Recd 10/5	passed	valuated	detained
PAID 10/5			

PLANTS - Use at least 4 letters of genus & Pota & Potamogeton
+ species if possible of Pota part & Potamogeton part in title

Have you completed your expenses for this week? (send to FND for signature!)

Envelopes supplied! Post collected films for processing - labels supplied as requested

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3865

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TL379546 River: Bourn Brook / Great Ouse

Date 11/5/1995 Time: 09:40 Surveyor name: M. J. H. (only if not a student)

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with site No. on back

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl + notes/extra diagrams

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 11 Unvegetated point bars

Pools 5 Vegetated point bars 1

IFE - (M) - see user manual

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles: 11 Pools: 5 Unvegetated point bars: 1 Vegetated point bars: 1

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ of site ☒ downstream end ☐ (tick one)

LEFT BANK (looking downstream)

Bank material (m)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	FC	Y	SC	FC	Y	SC	FC	Y	SC	FC

CHANNEL NOTE: Use same box as above for all spot checks

Channel substrate (m)

GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
----	----	----	----	----	----	----	----	----	----	----

Flow type (m)

NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
----	----	----	----	----	----	----	----	----	----	----

Channel modification(s)

NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
----	----	----	----	----	----	----	----	----	----	----

Channel feature(s)

NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
----	----	----	----	----	----	----	----	----	----	----

RIGHT BANK (looking downstream)

Bank material (m)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	FC	Y	SC	FC	Y	SC	FC	Y	SC	FC

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: choose one from BL, CP, MC, SC, AP, RL, CV, H, TL, Z

LAND USE WITHIN 5m OF BANKTOP (L)

1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
----	----	----	----	----	----	----	----	----	----	----

LEFT BANK-TOP (structure within 1m) BAUSC

U	U	U	U	U	U	U	U	U	U	U
---	---	---	---	---	---	---	---	---	---	---

LEFT BANK FACE (structure) BAUSC

U	U	U	U	U	U	U	U	U	U	U
---	---	---	---	---	---	---	---	---	---	---

RIGHT BANK FACE (structure) BAUSC

U	U	U	U	U	U	U	U	U	U	U
---	---	---	---	---	---	---	---	---	---	---

RIGHT BANK-TOP (structure within 1m) BAUSC

U	U	U	U	U	U	U	U	U	U	U
---	---	---	---	---	---	---	---	---	---	---

LAND USE WITHIN 5m OF BANK TOP (R)

1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
----	----	----	----	----	----	----	----	----	----	----

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry; use E (in 33% area) or V (prevailing))

NONE (tick) Plant genera (Latin)

Alnus										
Phragmites										
Carex										

Other genera (Latin)

--	--	--	--	--	--	--	--	--	--	--

Flowering plants (tick)

--	--	--	--	--	--	--	--	--	--	--

Amphibians

--	--	--	--	--	--	--	--	--	--	--

Schmiedeknechtia

--	--	--	--	--	--	--	--	--	--	--

Schmiedeknechtia

--	--	--	--	--	--	--	--	--	--	--

Filemorf, algae

--	--	--	--	--	--	--	--	--	--	--

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

PLANTS - Use tick in boxes of genera of plants, ferns, algae + species if possible of plants, ferns, algae

3865

SITE NO. 3865 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or V if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (in 33% banklength) or V if present)

	L	R		L	R
Natural/unmodified			Artificial/modification		
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Grazed			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after sitting predetermined box			Perched		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	Notes	Associated features (Tick one box per feature)	None	Present	E	Notes
None				Shading of channel				
Isolated/scattered				Overhanging boughs				
Regularly spaced, single				Exposed bankside roots				
Occasional clumps				Underwater tree roots				
Semi-continuous				Fallen trees				
Continuous				Course woody debris				

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	Notes	None	Present	E	Notes
Waterfall(s) - freefall					Marginal deadwater - slack			
Cascade(s) - chute					Exposed bedrock			
Step/pool sequences					Exposed boulders			
Rapids(s) - whitewater					Unvegetated mid-channel bars			
Riffle-pool sequences					Vegetated mid-channel bars			
Runs(s) - disturbed, rippled					Mature island(s)			
Boil(s) - upwellings					Unvegetated side bars			
Glide(s) - smooth, no eddies					Vegetated side bars			

Have you completed your enquiries for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a 10m wide zone)

LEFT BANK	Banktop width (m)	3	RIGHT BANK
Banktop height (m)	Water width (m)	2.5	Banktop height (m)
Embanked height (m)	Water depth (m)	0.1	Embanked height (m)

If triline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Footbridges = Outfalls = Feeds =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Meet's hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other 7 State

ward-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high		FLOODPLAIN (50m corridor)	
Braided/side channels		Artificial open water	
Debris dams		Natural open water	
Leafy debris		Water meadow	
		Fen	

Bog ☐ Other (state)

Cave ☐ Marsh ☐ Flood ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-11 indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other 7 State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Sequences of riffles and glides with occasional pools

Plants of note: Running through intensive agricultural land

Major conservation features:

Major impacts: Agricultural land

Incidental observations (animals etc):

IFE - (M) - see user manual

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing - labels supplied

NRA RIVER HABITAT SURVEY 1995: IFB P.1 A

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category _____

Solid geology code _____ Drift geology code _____ Planform code _____

Distance from source(km) _____ Significant tributary? _____ Navigation? _____

B. FIELD SURVEY DETAILS

Reference network site number: 3866

Mid-section grid reference of network site if differs from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TL416506 River: Rhee / Great Ouse

Date: 19.1.1995 Time: 11.50 Surveyor name: JP, JW, PH, LG, AI

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state for what channel ☐ (tick one box)

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + note: note channel

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 141 then indicate total number)

Riffles _____ Unvegetated point bars _____

Pools _____ Vegetated point bars _____

IFE - mid - see above (p.1 A)

DATES Record _____

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (Mark presence/absence)

Spot check 1 is at: upstream end ☐ of site ☐ (tick one)

LEFT BANK (looking downstream)

Rank material (fine)	Rank material (coarse)	Rank modification(s)	Rank feature(s)	Channel width (fine)	Channel width (coarse)	Flow type (fine)	Channel modification(s)	Channel feature(s)
FA	FA	NO	NO	NO	NO	SM	NO	NO

RIGHT BANK (looking downstream)

FA	FA	NO	NO	NO	NO	SM	NO	NO
----	----	----	----	----	----	----	----	----

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CL, HL, SL, PL, WL, OW, AL, BL, SL

LAND USE WITHIN 5m OF BANKTOP (L)

U	U	U	U	U	U	U	U	U
---	---	---	---	---	---	---	---	---

LEFT BANK-TOP (structure within 1m) BA000

LEFT BANK FACE (structure) BA000

RIGHT BANK FACE (structure) BA000

RIGHT BANK-TOP (structure within 1m) BA000

LAND USE WITHIN 5m OF BANK TOP (R)

U	U	U	U	U	U	U	U	U
---	---	---	---	---	---	---	---	---

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use B (in 3% area) or J (percent))

NONE (tick)	Plant genera (tick one)								
	Alnus								
	Salix								
	Phragmites								
	Scirpus								
	Carex								

Use end "catchall" column for types not occurring in spot checks as well as overall assessment over 100m (use E or J)

PLANT 5 - Use 141 to indicate of genus of plants in vegetation + species if possible of plant part & Potamogeton participation

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or J if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 33% banklength) or J if present)

	L	R	Artificial/modified	L	R
Natural/unmodified			Recessed		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Steep (>45°)			Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Peached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	WATER	E in 33%	None	Present E	NO YES
None							
Isolated/scattered							
Regularly spaced, single							
Occasional clumps							
Semi-continuous							
Continuous							

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E	Marginal deadwater - slack	None	Present E	NO YES
Waterfall(s) - free-fall						
Cascade(s) - chute						
Step/pool sequence						
Rapid(s) - whitewater						
Riffle-pool sequence						
Run(s) - disturbed, rippled						
Boil(s) - upwellings						
Glide(s) - smooth, no eddies						

Have you completed your sweep for this reach? (Send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	Banktop height (m)	Water width (m)	Water depth (m)	Banktop height (m)	Embanked height (m)
	10.5	0.5	9.2			

If threshold lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only) _____

M. ARTIFICIAL FEATURES (Use 141 to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Footbridges = _____ Outfalls = _____ Fords = _____

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☒ moving ☐ Other? State _____

wood-cutting ☐ enhancement ☐ Other? State _____

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)

Braided/side channels ☐ Artificial open water ☐ Bog ☐ Other (state) _____

Debris dams ☐ Natural open water ☐ Carr ☐

Leafy debris ☐ Water meadow ☐ Marsh ☐

Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 141 to indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Strengthened with few artificial right bank berms

Plants of note: _____

Major conservation features: _____

Major impacts: Agricultural land adjacent

Incidental observations (animals etc): _____

IFE 2 channel sweep by team ☒ Filtered ☐

S. DISEASED TREES (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied.

NRA RIVER HABITAT SURVEY 1995: 10m SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION:

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS:

Reference network site number: 3567
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES dry water /
 Grid Reference: 750593 River: Gird Aise
 Date: 11.12.1995 Time: 16.00 Surveyor name: James
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Photographs: general character? No ☐ Yes ☒ (tick one box) with site map
 Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only):

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/extra diagrams

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1M then indicate total number):

Riffles Unvegetated point bars
 Pools Vegetated point bars
 (If E or F - see 10m SPOT CHECKS)

James, Richard

NRA RIVER HABITAT SURVEY 1995: 10m SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (d) (max 10m x 10m) (e) (f)

Spot check 1 is an upstream end of site (tick one) 1 2 3 4 5 6 7 8 9 10

LEFT BANK looking downstream

Bank material (fine) GS EA EA EA EA EA EA EA EA EA
 Bank material (fine) GS EA EA EA EA EA EA EA EA EA
 Bank modification (s) RS RS RS RS RS RS RS RS RS RS
 Bank features (s) NO NO NO NO NO NO NO NO NO NO
 CHANNEL NOTE: Use site map for AI road bridge AI road bridge
 Channel substrate (fine) GP CL CL CL CL CL CL CL CL CL
 Flow type (fine) NP NP NP NP NP NP NP NP NP NP
 Channel modification (s) NO NO NO NO NO NO NO NO NO NO
 Channel features (s) NO NO NO NO NO NO NO NO NO NO

RIGHT BANK looking downstream

Bank material (fine) GS EA EA EA EA EA EA EA EA EA
 Bank material (fine) GS EA EA EA EA EA EA EA EA EA
 Bank modification (s) RS RS RS RS RS RS RS RS RS RS
 Bank features (s) NO NO NO NO NO NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CL, FL, SC, SP, SL, OV, NO, FL, SU

LAND USE WITHIN 5m OF BANKTOP (L) SC SC SC SC SC SC SC SC SC SC
 LEFT BANK-TOP (structure within 1m) SL SL SL SL SL SL SL SL SL SL
 LEFT BANK FACE (structure) SL SL SL SL SL SL SL SL SL SL
 RIGHT BANK FACE (structure) SL SL SL SL SL SL SL SL SL SL
 RIGHT BANK-TOP (structure within 1m) SL SL SL SL SL SL SL SL SL SL
 LAND USE WITHIN 5m OF BANK TOP (R) SC SC SC SC SC SC SC SC SC SC

G CHANNEL VEGETATION TYPES (to be assessed over a 10m wide transect)

NONE (tick one) Plant green (faint)
 Emergent broad-leaved herbs Plant green (faint)
 Emergent narrow-leaved herbs Plant green (faint)
 Floating-leaved (noted) Plant green (faint)
 Free-floating Plant green (faint)
 Amphibious Plant green (faint)
 Submerged - broad-leaved Plant green (faint)
 Submerged fine-leaved Plant green (faint)
 Filamentous algae Plant green (faint)

Use and 'catch all' column for types not occurring in spot checks as well as overall assessment over 500m (see E or F)

PLANTS - Use 1M to 10m of transect to assess vegetation + species if possible eg Potamogeton pectinatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E or F (in 33% banklength) or if present)

Land use (L) R

Broadleaf/deciduous woodland (BL) ☐ Wetland (eg bog, marsh, fen) (WZ) ☒
 Coniferous plantation (CP) ☐ Open water (OW) ☐
 Moorland/heath (MH) ☐ Improved/semi-improved grass (IG) ☐
 Scrub (SC) ☒ Tilled land (TL) ☐
 Rough pasture (RP) ☒ Suburban/urban development (SU) ☐

I BANK PROFILES (Use E or F (in 33% banklength) or if present)

Natural/unmodified L R Artificial/modified L R

Vertical/undercut 2 2 Reinforced - whole bank 2 2
 Vertical + toe 2 2 Reinforced - toe only 2 2
 Steep (> 45°) 2 2 Reinforced - toe only 2 2
 Gentle 2 2 Reinforced - toe only 2 2
 Composite 2 2 Reinforced - toe only 2 2
 Use this space to draw profile if different from above, after visiting predominant bank

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank) ASSOCIATED FEATURES (Tick one box per feature)

None ☒ Left ☒ Right ☒ None ☒ Present ☒ None ☒ Present ☒ None ☒ Present ☒

Isolated/scattered ☐ Overhanging boughs ☒
 Regularly spaced, single ☐ Exposed bankside roots ☒
 Occasional clumps ☒ Underwater tree roots ☒
 Semi-continuous ☐ Fallen trees ☒
 Continuous ☐ Coarse woody debris ☒

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall ☒ Marginal deadwater - slack ☒
 Cascade(s) - chute ☒ Exposed bedrock ☒
 Step/pool sequence ☒ Exposed boulders ☒
 Rapid(s) - whitewater ☒ Unvegetated mid-channel bars ☒
 Riffle-pool sequence ☒ Vegetated mid-channel bars ☒
 Run(s) - disturbed, rippled ☒ Mature island(s) ☒
 Pool(s) - upwellings ☒ Unvegetated side bars ☒
 Glide(s) - smooth, no eddies ☒ Vegetated side bars ☒

Have you completed your squares from this week? (Send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 9 RIGHT BANK Banktop width (m) 2.5
 Banktop height (m) 2 Water width (m) 2.5 Banktop height (m) 2.5
 Embankment height (m) 2.5 Water depth (m) 2.5 Embankment height (m) 2.5
 If transverse lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFR only)

M ARTIFICIAL FEATURES (Use 1M then indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 1 Weirs = 1 Outfalls = 1 Fords = 1
 Footbridges = 1 Roadbridges = 1 Part of site ☐ Street's hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☒ Other ? State None
 weed-cutting ☐ enhancement ☒

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor) ☐
 Braided/ridge channels ☐ Artificial open water ☐ Bog ☐ Other (state) None
 Debris dams ☐ Natural open water ☒ Carr ☐
 Leafy debris ☐ Water meadow ☒ Marsh ☐
 Fen ☒ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1M then indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State None

R BRIEF DESCRIPTION (Use prompts and log words as appropriate) (The 5m x 5m grid)

Descriptive sentence: Fen channel, some evidence of restoration
 Plants of note: Fen on right side and shallow green water on left side
 Major conservation features: Fen water levels usually controlled
 Major impacts: Spill on open water
 Incidental observations (animals etc): Spill on open water

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State None

SEND COMPLETED FORM TO: HUGH DAWSON, IFR, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Details supplied on request.

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3868
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: TL87578 River: Kennel/Lark
Date: 12.5.1995 Time: 11.50 Surveyor name: JB, JW, PH
Adverse conditions affecting survey? No ☐ Yes ☒ If yes, state (check one box)
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes on diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 5 Unvegetated point bars
Pools 2 Vegetated point bars
(If E = 10 - see note on page 1)

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 11 Pools 1 Unvegetated point bars 1 Vegetated point bars 1

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream end ☐ of site ☒ downstream ☐ (tick one box)

LEFT BANK (looking downstream)

Bank material (fine) RL, CO, CL, SL, FL, GL
Bank modification(s) ☒ NO, SL, FL, GL, NW
Bank feature(s) ☒ NO, SL, FL, GL, NW, V, V, V
Channel note: use scale for aspect of bank
Channel substrate (fine) NO, SL, FL, GL, NW, V, V, V
Flow type (fine) NP, NP, NP, NP, NP, NP, NP, NP, NP, NP
Channel modification(s) ☒ NO, SL, FL, GL, NW, V, V, V
Channel feature(s) ☒ NO, SL, FL, GL, NW, V, V, V

RIGHT BANK (looking downstream)

Bank material (fine) RL, CO, CL, SL, FL, GL
Bank modification(s) ☒ NO, SL, FL, GL, NW
Bank feature(s) ☒ NO, SL, FL, GL, NW, V, V, V

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CL, NW, SL, FL, GL, NW, V, V, V

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) RL, NW, SL, FL, GL, NW, V, V, V
LEFT BANK FACE (structure) RL, NW, SL, FL, GL, NW, V, V, V
RIGHT BANK FACE (structure) RL, NW, SL, FL, GL, NW, V, V, V
RIGHT BANK-TOP (structure within 1m) RL, NW, SL, FL, GL, NW, V, V, V
LAND USE WITHIN 5m OF BANK TOP (R) RL, NW, SL, FL, GL, NW, V, V, V

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (to 33% area) or F (if present))

NONE (tick) ☒ Plant growth (tick one box)
Leverwort ☐ Mosses/lichens ☐ Emergent broad ☐ Submerged ☐ Floating-leaved ☐ Free-floating ☐ Amphibious ☐ Submerged ☐ Submerged ☐ Filamentous algae ☐

Use end 'catchall' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use tick in boxes of Green or Yellow vegetation + species if possible of Plant part + Potamogeton pastinatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or F if present)

III BANK PROFILES (Use E (to 33% banklength) or F if present)

IV EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

ASSOCIATED FEATURES (Tick one box per feature)

V EXTENT OF CHANNEL FEATURES (Tick one box per feature)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK: Banktop width (m) 3.5 RIGHT BANK: Banktop width (m) 1
Banktop height (m) 1.25 Water width (m) 1 Banktop height (m) 1
Banktop height (m) 1.25 Water depth (m) 0.1 Embankment height (m) 1
If inshore lower than banktop break in slope, indicate: height (m) 0.5 width (m) 1

Bed material at site: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐
Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) 1

M ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 (2) Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 0 Roadbridges = 0 Part of site ☐ Part of site ☐ Part of site ☐ Part of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State ...
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box)

CHANNEL: Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) ...
Bridle/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOSED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-11 indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State ...

R BRIEF DESCRIPTION (Use phrases and key words as appropriate)

Descriptive statement: Full drain, with extensive overhanging shrubs and trees
Plants of note: ...
Major conservation features: ...
Major impacts: intensively farmed area
Incidental observations (animals etc): ...

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other (state) ...

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB
Envelopes supplied! Post completed forms for posting - labels supplied separately

Have you completed your enquiries from this week? (send to FWD for signature!)

FWD: JLS

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3869

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TL79251 River: Glen Slough

Date 16.11.1995 Time: 15.30 Surveyor name: J. H. P. M. I. A. K. (P. M.)

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) Site No. on map: 1

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 3 Unvegetated point bars 4

Pools 3 Vegetated point bars

(If E = Ind - See also page 12)

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed over channel width a 1m wide zone) (3) (4) (5) (6) (7) (8) (9) (10)

Spot check 1 is at upstream end of site (Tick one)

LEFT BANK (looking downstream)

Bank material (fine) RE, SD, CO, SI, CL, FE, GL

Bank modification(s) NO, SI, CL, FE, GL, EN

Bank features(s) NO, SD, CO, SI, CL, FE, GL

CHANNEL NOTE - See main bank for details of vegetation

Channel substrate (fine) RE, SD, CO, SI, CL, FE, GL

Flow type (fine) FF, CR, W, U, V, CP, SP, UP, SH, ST, NO

Channel modification(s) NO, SD, CO, SI, CL, FE, GL

Channel features(s) NO, SD, CO, SI, CL, FE, GL

RIGHT BANK (looking downstream)

Bank material (fine) RE, SD, CO, SI, CL, FE, GL

Bank modification(s) NO, SI, CL, FE, GL, EN

Bank features(s) NO, SD, CO, SI, CL, FE, GL

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RE, CR, W, U, V, CP, SP, UP, SH, ST, NO

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUSAC

LEFT BANK FACE (structure) BAUSAC

RIGHT BANK FACE (structure) BAUSAC

RIGHT BANK-TOP (structure within 1m) BAUSAC

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (p. 13) area) or / (percent)

NONE (tick)

Plant species (tick one)

Emergent broad-leaved

Emergent reeds

Emergent sedges

Emergent grasses

Emergent forbs

Emergent shrubs

Emergent trees

Free-floating

Amphibious

Submerged - broad-leaved

Submerged - linear-leaved

Flamers, algae

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

PLANTS - Use 1-10 for types of plants or 1-10 for percentage of plants

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (p. 13) banklength) or / if present

Left Bank Right Bank

Broadleaved woodland (BL)

Coniferous plantation (CP)

Moorland/heath (MH)

Scrub (SC)

Rough pasture (RP)

Wetland (eg bog, marsh, fen) (WZ)

Open water (OW)

Improved/semi-improved grass (IG)

Tilled land (TL)

Suburban/urban development (SU)

I BANK PROFILES (Use E (p. 13) banklength) or / if present

Natural/unmodified

Vertical/cut

Vertical + toe

Steep (> 45°)

Gentle

Composite

Artificial/modified

Reinforced - whole bank

Reinforced - top only

Reinforced - toe only

Artificial two-stage

Poached

Embanked

Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None

Isolated/scattered

Regularly spaced, single

Occasional clumps

Semi-continuous

Continuous

ASSOCIATED FEATURES (Tick one box per feature)

Shading of channel

Overhanging boughs

Exposed bankside roots

Underwater tree roots

Fallen trees

Coarse woody debris

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free fall

Cascade(s) - chute

Step/pool sequence

Rapid(s) - whitewater

Riffle-pool sequence

Ros(s) - disturbed, rippled

Boil(s) - swillings

Glides(s) - smooth, no eddies

Marginal deadwater - slack

Exposed bedrock

Exposed boulders

Unvegetated mid-channel bars

Vegetated mid-channel bars

Mature island(s)

Unvegetated side bars

Vegetated side bars

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m)

Banktop height (m)

Water width (m)

Water depth (m)

Embanked height (m)

Embanked height (m)

If trassline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Full of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other ? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high

Braided/side channels

Debris dams

Leafy debris

FLOODPLAIN (50m corridor)

Artificial open water

Natural open water

Water meadow

Fen

Bog

Carr

Marsh

Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? No ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use E or F)

Giant Hogweed

Himalayan Balsam

Japanese Knotweed

Other ? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Heavily shaded meandering channel, very slow flowing, between isolated channel

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

IFE? Channel only? ☒ ☐ ☐

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing. Labels supplied on request.

Have you completed your copies from this week? (send to FWD for signature!)

3869

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Platform category
 Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3870
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: TL867503 River: Chad Brock/Stour
 Date 14/5/1995 Time: 14.00 Surveyor name: J. H. A. K. (only if not a student)
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
 Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)
 Photographs: general changes? No ☐ Yes ☒ (tick one box) with site map!
 Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes: note 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166,

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS											Page 2 of 4	
Rifles (24")		Pools		Unvegetated point bars				Vegetated point bars				
E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (3) Max. 1 point per feature (4)												
Spot check 1 is at: upstream end of site () downstream ()												
LEFT BANK		1	2	3	4	5	6	7	8	9	10	11
Back material (one)		FE, SO, CL, GE, JA, PE, CL	FA	FA	FA	FA	FA	FA	FA	FA	CA	CA
Back modifications ()		NO, RI, FC, BA, EN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Back feature(s) ()		AK, NO, EC, JC, FP, SP, ST, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE: Use a ruler to measure width of channel												
Channel substrate (one)		VA, LO, CO, GP, SJ, SL, CL, AR	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type (one)		FL, CH, BV, UP, CF, SP, VP, SH, RP, NO	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modifications ()		NO, NO, RI, FC, BA, EN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) ()		NO, NO, SP, VA, LO, ST, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK		12	13	14	15	16	17	18	19	20	21	22
Back material (one)		FE, SO, CL, GE, JA, PE, CL	FA	FA	CC	CC	CC	CC	CC	CC	CC	CC
Back modifications ()		NO, RI, FC, BA, EN	NO	NO	RI	RI	RI	RI	RI	RI	RI	RI
Back feature(s) ()		AK, NO, EC, JC, FP, SP, ST, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide stretch)												
Land use: choose one from RL, CF, BK, SC, RP, RL, GW, M, FL, SU												
LAND USE WITHIN 5m OF BANKTOP (L)		S	T	L	L	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m)		BAHUC	B	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)		BAHUC	U	U	S	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)		BAHUC	U	U	B	B	B	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m)		BAHUC	U	U	B	S	S	S	S	RP	RP	RP
LAND USE WITHIN 5m OF BANK TOP (R)		S	T	L	L	RP	RP	RP	RP	RP	RP	RP
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (to 33% area) or F (percent))												
NOSE (pick)		Plant name (list in row)										
Lysivorous		Algae										
Invasive/Exotic		Natural										
Emergent broad-leaved herbs		Sagittaria	✓	✓		✓	✓			✓		
Emergent reeds/sedges/rubus												
Floating-leaved (rooted)											✓	E
Free-floating		Scirpus										
Amphibious				✓								
Submersed broad-leaved								✓	✓	E	E	
Submersed fine-leaved									✓			✓
Filamentous algae			E	E		✓	✓	✓	✓	E		

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

FLINTS - Use 1st 4 letters of Greens \rightarrow Pota, Potanogton
+ species if possible \rightarrow Pota ject & Potanogton jectinative

DATE: 11/1/95

SITE NO. 1

26-37

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP

Page 3 of 4

II LAND USE WITHIN 50m of BANK TOP Use E (≥ 33% banklength) or I if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WZ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (HM)			Improved/semi-improved grass (IG)	E	
Scrub (SC)	✓	✓	Tilled land (TL)		✓
Rough pasture (RP)	✓	✓	Suburban/urban development (SU)	✓	E

I BANK PROFILES Use E (≥ 33% banklength) or I if present

	L	R		L	R
Natural/unmodified		✓	Artificial/modified		
Vertical/undercut	E	✓	Rationalised	E	✓
Vertical + toe	E		Reinforced - whole bank	E	
Slope (> 45°)		E	Reinforced - top only		
Grass	E		Reinforced - toe only		
Cropstone			Artificial two-stage		
			Peatbed		
			Embanked		
			Scrub embankments		

Use this space to draw profiles if different from above, after taking pre-determined bias

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	EXTENT OF TREES			ASSOCIATED FEATURES (Tick one box per feature)				NOTES
	Left	Right	NOTES	E ≥ 33%	None	Present	E	
None	✓	□		Shedding of channel	□	✓	□	
Isolated/scattered	□	□		Overhanging boughs	□	✓	□	
Regularly spaced, single	□	□		Exposed bankside roots	□	✓	□	
Occasional clumps	□	□		Underwater tree roots	□	✓	□	
Semi-continuous	□	□		Fallen trees	□	✓	□	
Continuous	□	□		Coarse woody debris	□	✓	□	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E		None	Present	E	NOTES
Waterfall(s) - free-fall	✓	□		Marginal deadwater - silt	□	✓	□	
Cascade(s) - chute	□	□		Exposed bedrock	□	✓	□	
Step/pool sequences	□	□		Exposed boulders	□	✓	□	
Rapid(s) - whitewater	□	□		Unvegetated mid-channel bars	□	✓	□	
Riffle-pool sequences	□	□		Vegetated mid-channel bars	□	✓	□	
Road(s) - disturbed, rippled	□	□		Natural island(s)	□	✓	□	
Bar(s) - spellings	□	□		Unvegetated side bars	□	✓	□	
Glide(s) - smooth, no eddies	□	□		Vegetated side bars	□	✓	□	

Have you completed your expenses for this week? (send to FND for signature!)

NA RIVER HABITAT SURVEY

CHANNEL DIMENSIONS (To be measured at one site on a straight uniform section, preferably across a riffle)					
LEFT BANK		Banktop width (m)	12	RIGHT BANK	
Banktop height (m)	2	Water width (m)	6.5	Banktop height (m)	2
Embankment height (m)		Water depth (m)	0.25	Embankment height (m)	
If threshold lower than banktop break in slope, indicate: height (m) _____ width(m) _____					
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>					
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> pick one box: Slope (IFB only) _____					
M. ARTIFICIAL FEATURES (Use ¹ / ₁₆ to indicate total number, tick "none" where appropriate)					
None <input type="checkbox"/>	Number of Culverts = _____	Weirs = _____	Outfalls = 1	Fords = _____	
Is water level controlled by weirs/dams downstream? No <input type="checkbox"/>		Footbridges = _____	Part of site <input type="checkbox"/>	Stew/whole of site <input type="checkbox"/>	
N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)					
dredging <input type="checkbox"/>	mowing <input type="checkbox"/>	Other 1 State _____			
weir-cutting <input type="checkbox"/>	enhancement <input checked="" type="checkbox"/>	reversed in situ natural cover <input type="checkbox"/>			
O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))					
CHANNEL		FLOODPLAIN (50m corridor)			
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state) _____		
Bedrock/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>			
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>			
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flash <input type="checkbox"/>			
P. CHOKED CHANNEL (Tick one box)					
Is 33% or more of the channel choked with vegetation? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/>					
Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/16 or 1/8. Note which bank)					
Giant Hogweed <input type="checkbox"/>	Himalayan Balsam <input type="checkbox"/>	Japanese Knotweed <input type="checkbox"/>	Other 1 State _____	Nettles	
R. AND BRIEF DESCRIPTION (Use prompts and key words as appropriate)					
Descriptive notes: Upstream half fast flowing shallow with extensive riffles becomes slow flowing lenticular river with extensive algal plants of note					
Major conservation features: Extensive riffle					
Major impacts: Mill upstream					
Incidental observations (animals etc):					
IF 2 checked only tick <input checked="" type="checkbox"/> filtered <input type="checkbox"/>					
S. DISEASED ALGAE (Tick one box)					
None <input checked="" type="checkbox"/>	Present <input type="checkbox"/>	Extensive <input type="checkbox"/>	Other diseased trees? State _____		
SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 1BB					

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3873
Mid-section grid reference of network site (if different from designated location):
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: TM127505 River: Gipping / Cliven
Date: 21.5.1995 Time: 14:10 Surveyor name: JB, JN, PH, LAK, JON
Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state for how long: with site N/A on 1st day
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Discharge photographs: general character? No ☐ Yes ☒ (tick one box) with site N/A on 1st day
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/misfit channel

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles: ☐ Unvegetated point bars: ☐
Pools: ☐ Vegetated point bars: ☐
IFE - mid - see only (page 2)

Notes: record planned unvisited define

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel width 1m wide zone) (4) Mark y or n (5) Point (4)

Spot check 1 is at: upstream end ☐ of site ☐ (tick one)
downstream ☐ of site ☐ (tick one)

	1	2	3	4	5	6	7	8	9	10	Notes
LEFT BANK											
Bank material (fine)	CC	CA	CH	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
CHANNEL NOTE											
Channel substrate (fine)	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	
Flow type (fine)	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK											
Bank material (fine)	CC	CA	CH	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)											
Land use: choose one from RL, CP, MH, FC, RP, VL, OW, AG, TG, SU	SU	BL	SC	SC	RP	RP	RP	RP	RP	RP	
LAND USE WITHIN 5m OF BANKTOP (L)	B	S	U	U	U	U	U	U	U	U	
LEFT BANK-TOP (structure within 1m)	BAUSC	B	U	U	U	U	U	U	U	U	
LEFT BANK FACE (structure)	BAUSC	B	U	U	U	U	U	U	U	U	
RIGHT BANK FACE (structure)	BAUSC	B	U	U	U	U	U	U	U	U	
RIGHT BANK-TOP (structure within 1m)	BAUSC	B	U	U	U	U	U	U	U	U	
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	SC	SC	SC	SC	SC	SC	SC	SC	
G CHANNEL VEGETATION TYPES (tick one box only, with one exception: use B (to 33% area) or F (present))											
NONE (tick)											
Liverworts/mosses/lichens											
Emergent broad-leaved herbs											
Emergent reeds/rushes											
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged - broad-leaved											
Submerged fine-leaved											
Filamentous algae											

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

Notes: Use 1-10 to indicate of genus to 10m x 10m vegetation + species if possible eg Potamogeton pectinatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or F (present))

	L	R		L	R
Broadleaf/woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (to 33% banklength) or F (present))

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predominant type			Scoured		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	Notes	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	Notes
None	<input type="checkbox"/>	<input type="checkbox"/>		Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed backside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes		None	Present	Notes
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>		Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cascade(s) - chute	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Rapid(s) - whitewater	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Riffle/pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Road(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Boil(s) - upwellings	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Glides(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Have you completed your squares from this week? (send G FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK	Banktop width (m)
Banktop height (m)	0.75	Banktop height (m)	0.75
Embanked height (m)	0.7	Embanked height (m)	0.7
Water width (m)		Water width (m)	
Water depth (m)		Water depth (m)	

If trashline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ - unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weir = Roadbridges = Outfalls = Ferds =
Footbridges = Other =
Is water level controlled by weirs/dams downstream? No ☐ Part of site ☐ Mouth/below site ☒

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	Bog	Other (state)
Waterfalls > 5m high	Artificial open water	Carr	
Braided/side channels	Natural open water	Marsh	
Debris dams	Water meadow	Flush	
Leafy debris	Fen		

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10 then indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State Nettle, Bramble

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Shraught channel, flowing through urban land with much rowan for side of open water

Plants of note:

Major conservation features:

Major impacts: Road & urban land (Factory Units)

Incidental observations (animals etc):

IFE 2.2.2.1 - see G FWD for B filtered

S DISEASED TREES (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for printing. Labels supplied on request

DATES. record prepared initiated details checks
 7-10-11-71








PLANTS - Use 1st 4 letters of Genus \rightarrow Pota & Potanogon
+ species if possible eg Pota pect & Potanogon pectinatus

Have you completed your expenses for this week? (send to FWD for signature!)

Envelopes supplied! Post completed films for processing. Labels supplied & strips

A BACKGROUND MAP-BASED INFORMATION		
Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS	
Reference network site number: <u>3875</u>	
Mid-section grid reference of network site if different from designated location:	
COMPLETE THE FOLLOWING FOR ALL SITES	
Grid Reference: <u>TN1323580</u>	River: <u>Ore / Alde</u>
Date: <u>9.6.1995</u> Time: <u>09.35</u>	Surveyor name (surname) <u>MC</u> <small>78 79 84 16 AK 78m</small>
Adverse conditions affecting survey?	No <input type="checkbox"/> Yes <input type="checkbox"/> If yes, state _____
Bed of river visible?	No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input checked="" type="checkbox"/> (tick one box)
Photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (tick one box)	<small>general features</small> <small>General - return with report if failure</small>
Site surveyed from:	left bank <input type="checkbox"/> right bank <input type="checkbox"/> channel <input checked="" type="checkbox"/> (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)	
 <input checked="" type="checkbox"/> shallow vee	 <input type="checkbox"/> terraced valley floor
 <input type="checkbox"/> deep vee	 <input type="checkbox"/> symmetrical floodplain
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain
 <input type="checkbox"/> concave/bowl	

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)	
Riffles <u>3</u>	Unvegetated point bars
Pools <u>2</u>	Vegetated point bars

IF 6-m-d - see river profile
 National Rivers Authority

DATE	RECORD	PREPARED	INITIALS	DATE
1942.12.15				
1942.12.16				
1942.12.17				
1942.12.18				
1942.12.19				
1942.12.20				
1942.12.21				
1942.12.22				
1942.12.23				
1942.12.24				
1942.12.25				
1942.12.26				
1942.12.27				
1942.12.28				
1942.12.29				
1942.12.30				
1943.01.01				
1943.01.02				
1943.01.03				
1943.01.04				
1943.01.05				
1943.01.06				
1943.01.07				
1943.01.08				
1943.01.09				
1943.01.10				
1943.01.11				
1943.01.12				
1943.01.13				
1943.01.14				
1943.01.15				
1943.01.16				
1943.01.17				
1943.01.18				
1943.01.19				
1943.01.20				
1943.01.21				
1943.01.22				
1943.01.23				
1943.01.24				
1943.01.25				
1943.01.26				
1943.01.27				
1943.01.28				
1943.01.29				
1943.01.30				
1943.01.31				
1943.02.01				
1943.02.02				
1943.02.03				
1943.02.04				
1943.02.05				
1943.02.06				
1943.02.07				
1943.02.08				
1943.02.09				
1943.02.10				
1943.02.11				
1943.02.12				
1943.02.13				
1943.02.14				
1943.02.15				
1943.02.16				
1943.02.17				
1943.02.18				
1943.02.19				
1943.02.20				
1943.02.21				
1943.02.22				
1943.02.23				
1943.02.24				
1943.02.25				
1943.02.26				
1943.02.27				
1943.02.28				
1943.02.29				
1943.03.01				
1943.03.02				
1943.03.03				
1943.03.04				
1943.03.05				
1943.03.06				
1943.03.07				
1943.03.08				
1943.03.09				
1943.03.10				
1943.03.11				
1943.03.12				
1943.03.13				
1943.03.14				
1943.03.15				
1943.03.16				
1943.03.17				
1943.03.18				

[illegible]

PLANTS - Use 1/4 lb. of beans w/ Pot. & Potomogon
+ species if possible w/ Pot. pest & Potomogon pestivorus

LAND USE WITHIN 50m of BANKTOP Use E (≥ 33% banktop) or V if present							
	L	R		L	R		
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)				
Coniferous plantation (CP)			Open water (OW)				
Moorland/heath (MH)			Improved/semi-improved grass (IG)	✓		E	
Scrub (SC)	✓	V	Tilled land (TL)				
Rough pasture (RP)	F	✓	Suburban/urban development (SU)	V	✓		
BANK PROFILES: Use E (≥ 33% banktop) or V if present							
Natural/unmodified	L	R	Artificial/modified	L	R		
Vertical/undercut		✓	Recessed			V	
Vertical + toe			Reinforced - whole bank				
Steep (> 45°)		E	Reinforced - top only				
Gentle		V	Reinforced - toe only				
Composite			Artificial two-stage				
Use this space to draw profile of different bank types, after taking predominant bank			Scoured				
			Embanked				
			Set-back embankments				
J EXTENT OF TREES AND ASSOCIATED FEATURES							
TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)				
None	Left	Right	WATER	E ≥ 33%	None	Present E	Notes
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>		Understorey tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Grassie dragg
				Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
K EXTENT OF CHANNEL FEATURES (Tick one box per feature)							
Waterfall(s) - free-fall	None	Present E	None	Present E	Notes		
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater, - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Swamp/pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Rune(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Slide(s) - smooth, no adices	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
				Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Have you completed your expenses for this week? (send to FND for signature!)

CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a meander.

LEFT BANK		Banktop width (m)	5.75	RIGHT BANK	
Banktop height (m)	40.75	Water width (m)	4	Banktop height (m)	41.75
Embedded height (m)		Water depth (m)	0.1	Embedded height (m)	

If trashline lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ ☐ pick one box Slope (IFE only) _____

N ☐ ARTIFICIAL FEATURES (Use 1-10 indicate total number, incl. "none" where appropriate)

None <input type="checkbox"/>	Number of Culverts = 1	Weirs =	Outfalls =	Fords = 1
	Footbridges = 1	Roadbridges =	Other =	

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ ☐ Most/w/ hole of site ☐

N ☐ EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drading <input type="checkbox"/>	moving <input type="checkbox"/>	Other? State _____
woodweaving <input type="checkbox"/>	enhancement <input type="checkbox"/>	

O ☐ FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (10m corridor)		
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other: _____
Brick/drain channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	

P ☐ CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q ☐ NOTABLE NUISANCE PLANT SPECIES (Use 1-10, or E, if not applicable)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

R ☐ BRIEF DESCRIPTION (Use prompts and key words as appropriate) The "Sealcoats"

Descriptive features: *Gravelly slow flowing with meanders. Some faster flowing riffle sections - one section being a ditch beside road.*

Plants of note: *1. Fern (Hwy)*

Major conservation features: _____

Major insects: *Red murret*

Incidental observations (animals etc): _____

IFE checked ☐ Sample taken ☐ Filtered ☒

S ☐ DISEASED ALDERS (Tick one box)

None <input type="checkbox"/>	Present <input type="checkbox"/>	Extensive <input type="checkbox"/>	Other diseased trees? State _____
-------------------------------	----------------------------------	------------------------------------	-----------------------------------

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WARHAM, BH20 6BN

Envelopes supplied! Post completed films for processing - labels supplied as requested

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 1

A BACKGROUND MAP-BASED INFORMATION:

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS:

Reference network site number: 3876

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TM 406534 River: Akle

Date 9/6/1995 Time: 11:15 Surveyor name: C.C. M.A.V. H.O. N.G. F.W.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) *Wet site N.G. on 1/10/95*

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM: (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ NOTE: N.G. DRAIN

D NUMBER OF RIFFLES, POOLS AND POINT BARS: (Use 1-11 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE - not a sweep-up (1/1/95) 1/1/95

National Rivers Authority

DATES: Record
1995.10.15

named

width

depth

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 2

PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone) (1/1/95)

at check 1 is at: upstream ☐ of site ☒ (tick one)

LEFT BANK (tick one box only)

Bank material (fine) ☒ NO. 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970, 980, 990, 1000, 1010, 1020, 1030, 1040, 1050, 1060, 1070, 1080, 1090, 1100, 1110, 1120, 1130, 1140, 1150, 1160, 1170, 1180, 1190, 1200, 1210, 1220, 1230, 1240, 1250, 1260, 1270, 1280, 1290, 1300, 1310, 1320, 1330, 1340, 1350, 1360, 1370, 1380, 1390, 1400, 1410, 1420, 1430, 1440, 1450, 1460, 1470, 1480, 1490, 1500, 1510, 1520, 1530, 1540, 1550, 1560, 1570, 1580, 1590, 1600, 1610, 1620, 1630, 1640, 1650, 1660, 1670, 1680, 1690, 1700, 1710, 1720, 1730, 1740, 1750, 1760, 1770, 1780, 1790, 1800, 1810, 1820, 1830, 1840, 1850, 1860, 1870, 1880, 1890, 1900, 1910, 1920, 1930, 1940, 1950, 1960, 1970, 1980, 1990, 2000, 2010, 2020, 2030, 2040, 2050, 2060, 2070, 2080, 2090, 2100, 2110, 2120, 2130, 2140, 2150, 2160, 2170, 2180, 2190, 2200, 2210, 2220, 2230, 2240, 2250, 2260, 2270, 2280, 2290, 2300, 2310, 2320, 2330, 2340, 2350, 2360, 2370, 2380, 2390, 2400, 2410, 2420, 2430, 2440, 2450, 2460, 2470, 2480, 2490, 2500, 2510, 2520, 2530, 2540, 2550, 2560, 2570, 2580, 2590, 2600, 2610, 2620, 2630, 2640, 2650, 2660, 2670, 2680, 2690, 2700, 2710, 2720, 2730, 2740, 2750, 2760, 2770, 2780, 2790, 2800, 2810, 2820, 2830, 2840, 2850, 2860, 2870, 2880, 2890, 2900, 2910, 2920, 2930, 2940, 2950, 2960, 2970, 2980, 2990, 3000, 3010, 3020, 3030, 3040, 3050, 3060, 3070, 3080, 3090, 3100, 3110, 3120, 3130, 3140, 3150, 3160, 3170, 3180, 3190, 3200, 3210, 3220, 3230, 3240, 3250, 3260, 3270, 3280, 3290, 3300, 3310, 3320, 3330, 3340, 3350, 3360, 3370, 3380, 3390, 3400, 3410, 3420, 3430, 3440, 3450, 3460, 3470, 3480, 3490, 3500, 3510, 3520, 3530, 3540, 3550, 3560, 3570, 3580, 3590, 3600, 3610, 3620, 3630, 3640, 3650, 3660, 3670, 3680, 3690, 3700, 3710, 3720, 3730, 3740, 3750, 3760, 3770, 3780, 3790, 3800, 3810, 3820, 3830, 3840, 3850, 3860, 3870, 3880, 3890, 3900, 3910, 3920, 3930, 3940, 3950, 3960, 3970, 3980, 3990, 4000, 4010, 4020, 4030, 4040, 4050, 4060, 4070, 4080, 4090, 4100, 4110, 4120, 4130, 4140, 4150, 4160, 4170, 4180, 4190, 4200, 4210, 4220, 4230, 4240, 4250, 4260, 4270, 4280, 4290, 4300, 4310, 4320, 4330, 4340, 4350, 4360, 4370, 4380, 4390, 4400, 4410, 4420, 4430, 4440, 4450, 4460, 4470, 4480, 4490, 4500, 4510, 4520, 4530, 4540, 4550, 4560, 4570, 4580, 4590, 4600, 4610, 4620, 4630, 4640, 4650, 4660, 4670, 4680, 4690, 4700, 4710, 4720, 4730, 4740, 4750, 4760, 4770, 4780, 4790, 4800, 4810, 4820, 4830, 4840, 4850, 4860, 4870, 4880, 4890, 4900, 4910, 4920, 4930, 4940, 4950, 4960, 4970, 4980, 4990, 5000, 5010, 5020, 5030, 5040, 5050, 5060, 5070, 5080, 5090, 5100, 5110, 5120, 5130, 5140, 5150, 5160, 5170, 5180, 5190, 5200, 5210, 5220, 5230, 5240, 5250, 5260, 5270, 5280, 5290, 5300, 5310, 5320, 5330, 5340, 5350, 5360, 5370, 5380, 5390, 5400, 5410, 5420, 5430, 5440, 5450, 5460, 5470, 5480, 5490, 5500, 5510, 5520, 5530, 5540, 5550, 5560, 5570, 5580, 5590, 5600, 5610, 5620, 5630, 5640, 5650, 5660, 5670, 5680, 5690, 5700, 5710, 5720, 5730, 5740, 5750, 5760, 5770, 5780, 5790, 5800, 5810, 5820, 5830, 5840, 5850, 5860, 5870, 5880, 5890, 5900, 5910, 5920, 5930, 5940, 5950, 5960, 5970, 5980, 5990, 6000, 6010, 6020, 6030, 6040, 6050, 6060, 6070, 6080, 6090, 6100, 6110, 6120, 6130, 6140, 6150, 6160, 6170, 6180, 6190, 6200, 6210, 6220, 6230, 6240, 6250, 6260, 6270, 6280, 6290, 6300, 6310, 6320, 6330, 6340, 6350, 6360, 6370, 6380, 6390, 6400, 6410, 6420, 6430, 6440, 6450, 6460, 6470, 6480, 6490, 6500, 6510, 6520, 6530, 6540, 6550, 6560, 6570, 6580, 6590, 6600, 6610, 6620, 6630, 6640, 6650, 6660, 6670, 6680, 6690, 6700, 6710, 6720, 6730, 6740, 6750, 6760, 6770, 6780, 6790, 6800, 6810, 6820, 6830, 6840, 6850, 6860, 6870, 6880, 6890, 6900, 6910, 6920, 6930, 6940, 6950, 6960, 6970, 6980, 6990, 7000, 7010, 7020, 7030, 7040, 7050, 7060, 7070, 7080, 7090, 7100, 7110, 7120, 7130, 7140, 7150, 7160, 7170, 7180, 7190, 7200, 7210, 7220, 7230, 7240, 7250, 7260, 7270, 7280, 7290, 7300, 7310, 7320, 7330, 7340, 7350, 7360, 7370, 7380, 7390, 7400, 7410, 7420, 7430, 7440, 7450, 7460, 7470, 7480, 7490, 7500, 7510, 7520, 7530, 7540, 7550, 7560, 7570, 7580, 7590, 7600, 7610, 7620, 7630, 7640, 7650, 7660, 7670, 7680, 7690, 7700, 7710, 7720, 7730, 7740, 7750, 7760, 7770, 7780, 7790, 7800, 7810, 7820, 7830, 7840, 7850, 7860, 7870, 7880, 7890, 7900, 7910, 7920, 7930, 7940, 7950, 7960, 7970, 7980, 7990, 8000, 8010, 8020, 8030, 8040, 8050, 8060, 8070, 8080, 8090, 8100, 8110, 8120, 8130, 8140, 8150, 8160, 8170, 8180, 8190, 8200, 8210, 8220, 8230, 8240, 8250, 8260, 8270, 8280, 8290, 8300, 8310, 8320, 8330, 8340, 8350, 8360, 8370, 8380, 8390, 8400, 8410, 8420, 8430, 8440, 8450, 8460, 8470, 8480, 8490, 8500, 8510, 8520, 8530, 8540, 8550, 8560, 8570, 8580, 8590, 8600, 8610, 8620, 8630, 8640, 8650, 8660, 8670, 8680, 8690, 8700, 8710, 8720, 8730, 8740, 8750, 8760, 8770, 8780, 8790, 8800, 8810, 8820, 8830, 8840, 8850, 8860, 8870, 8880, 8890, 8900, 8910, 8920, 8930, 8940, 8950, 8960, 8970, 8980, 8990, 9000, 9010, 9020, 9030, 9040, 9050, 9060, 9070, 9080, 9090, 9100, 9110, 9120, 9130, 9140, 9150, 9160, 9170, 9180, 9190, 9200, 9210, 9220, 9230, 9240, 9250, 9260, 9270, 9280, 9290, 9300, 9310, 9320, 9330, 9340, 9350, 9360, 9370, 9380, 9390, 9400, 9410, 9420, 9430, 9440, 9450, 9460, 9470, 9480, 9490, 9500, 9510, 9520, 9530, 9540, 9550, 9560, 9570, 9580, 9590, 9600, 9610, 9620, 9630, 9640, 9650, 9660, 9670, 9680, 9690, 9700, 9710, 9720, 9730, 9740, 9750, 9760, 9770, 9780, 9790, 9800, 9810, 9820, 9830, 9840, 9850, 9860, 9870, 9880, 9890, 9900, 9910, 9920, 9930, 9940, 9950, 9960, 9970, 9980, 9990, 10000

Bank material (fine) ☒ NO. 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970, 980, 990, 1000, 1010, 1020, 1030, 1040, 1050, 1060, 1070, 1080, 1090, 1100, 1110, 1120, 1130, 1140, 1150, 1160, 1170, 1180, 1190, 1200, 1210, 1220, 1230, 1240, 1250, 1260, 1270, 1280, 1290, 1300, 1310, 1320, 1330, 1340, 1350, 1360, 1370, 1380, 1390, 1400, 1410, 1420, 1430, 1440, 1450, 1460, 1470, 1480, 1490, 1500, 1510, 1520, 1530, 1540, 1550, 1560, 1570, 1580, 1590, 1600, 1610, 1620, 1630, 1640, 1650, 1660, 1670, 1680, 1690, 1700, 1710, 1720, 1730, 1740, 1750, 1760, 1770, 1780, 1790, 1800, 1810, 1820, 1830, 1840, 1850, 1860, 1870, 1880, 1890, 1900, 1910, 1920, 1930, 1940, 1950, 1960, 1970, 1980, 1990, 2000, 2010, 2020, 2030, 2040, 2050, 2060, 2070, 2080, 2090, 2100, 2110, 2120, 2130, 2140, 2150, 2160, 2170, 2180, 2190, 2200, 2210, 2220, 2230, 2240, 2250, 2260, 2270, 2280, 2290, 2300, 2310, 2320, 2330, 2340, 2350, 2360, 2370, 2380, 2390, 2400, 2410, 2420, 2430, 2440, 2450, 2460, 2470, 2480, 2490, 2500, 2510, 2520, 2530, 2540, 2550, 2560, 2570, 2580, 2590, 2600, 2610, 2620, 2630, 2640, 2650, 2660, 2670, 2680, 2690, 2700, 2710, 2720, 2730, 2740, 2750, 2760, 2770, 2780, 2790, 2800, 2810, 2820, 2830, 2840, 2850, 2860, 2870, 2880, 2890, 2900, 2910, 2920, 2930, 2940, 2950, 2960, 2970, 2980, 2990, 3000, 3010, 3020, 3030, 3040, 3050, 3060, 3070, 3080, 3090, 3100, 3110, 3120, 3130, 3140, 3150, 3160, 3170, 3180, 3190, 3200, 3210, 3220, 3230, 3240, 3250, 3260, 3270, 3280, 3290, 3300, 3310, 3320, 3330, 3340, 3350, 3360, 3370, 3380, 3390, 3400, 3410, 3420, 3430, 3440, 3450, 3460, 3470, 3480, 3490, 3500, 3510, 3520, 3530, 3540, 3550, 3560, 3570, 3580, 3590, 3600, 3610, 3620, 3630, 3640, 3650, 3660, 3670, 3680, 3690, 3700, 3710, 3720, 3730, 3740, 3750, 3760, 3770, 3780, 3790, 3800, 3810, 3820, 3830, 3840, 3850, 3860, 3870, 3880, 3890, 3900, 3910, 3920, 3930, 3940, 3950, 3960, 3970, 3980, 3990, 4000, 4010, 4020, 4030, 4040, 4050, 4060, 4070, 4080, 4090, 4100, 4110, 4120, 4130, 4140, 4150, 4160, 4170, 4180, 4190, 4200, 4210, 4220, 4230, 4240, 4250, 4260, 4270, 4280, 4290, 4300, 4310, 4320, 4330, 4340, 4350, 4360, 4370, 4380, 4390, 4400, 4410, 4420, 4430, 4440, 4450, 4460, 4470, 4480, 4490, 4500, 4510, 4520, 4530, 4540, 4550, 4560, 4570, 4580, 4590, 4600, 4610, 4620, 4630, 4640, 4650, 4660, 4670, 4680, 4690, 4700, 4710, 4720, 4730, 4740, 4750, 4760, 4770, 4780, 4790, 4800, 4810, 4820, 4830, 4840, 4850, 4860, 4870, 4880, 4890, 4900, 4910, 4920, 4930, 4940, 4950, 4960, 4970, 4980, 4990, 5000, 5010, 5020, 5030, 5040, 5050, 5060, 5070, 5080, 5090, 5100, 5110, 5120, 5130, 5140, 5150, 5160, 5170, 5180, 5190, 5200, 5210, 5220, 5230, 5240, 5250, 5260, 5270, 5280, 5290, 5300, 5310, 5320, 5330, 5340, 5350, 5360, 5370, 5380, 5390, 5400, 5410, 5420, 5430, 5440, 5450, 5460, 5470, 5480, 5490, 5500, 5510, 5520, 5530, 5540, 5550, 5560, 5570, 5580, 5590, 5600, 5610, 5620, 5630, 5640, 5650, 5660, 5670, 5680, 5690, 5700, 5710, 5720, 5730, 5740, 5750, 5760, 5770, 5780, 5790, 5800, 5810, 5820, 5830, 5840, 5850, 5860, 5870, 5880, 5890, 5900, 5910, 5920, 5930, 5940, 5950, 5960, 5970, 5980, 5990, 6000, 6010, 6020, 6030, 6040, 6050, 6060, 6070, 6080, 6090, 6100, 6110, 6120, 6130, 6140, 6150, 6160, 6170, 6180, 6190, 6200, 6210, 6220, 6230, 6240, 6250, 6260, 6270, 6280, 6290, 6300, 6310, 6320, 6330, 6340, 6350, 6360, 6370, 6380, 6390, 6400, 6410, 6420, 6430, 6440, 6450, 6460, 6470, 6480, 6490, 6500, 6510, 6520, 6530, 6540, 6550, 6560, 6570, 6580, 6590, 6600, 6610, 6620, 6630, 6640, 6650, 6660, 6670, 6680, 6690, 6700, 6710, 6720, 6730, 6740, 6750, 6760, 6770, 6780, 6790, 6800, 6810, 6820, 6830, 6840, 6850, 6860, 6870, 6880, 6890, 6900, 6910, 6920, 6930, 6940, 6950, 6960, 6970, 6980, 6990, 7000, 7010, 7020, 7030, 7040, 7050, 7060, 7070, 7080, 7090, 7100, 7110, 7120, 7130, 7140, 7150, 7160, 7170, 7180, 7190, 7200, 7210, 7220, 7230, 7240, 7250, 7260, 7270, 7280, 7290, 7300, 7310, 7320, 7330, 7340, 7350, 7360, 7370, 7380, 7390, 7400, 7410, 7420, 7430, 7440, 7450, 7460, 7470, 7480, 7490, 7500, 7510, 7520, 7530, 7540, 7550, 7560, 7570, 7580, 7590, 7600, 7610, 7620, 7630, 7640, 7650, 7660, 7670, 7680, 7690, 7700, 7710, 7720, 7730, 7740, 7750, 7760, 7770, 7780, 7790, 7800, 7810, 7820, 7830, 7840, 7850, 7860, 7870, 7880, 7890, 7900, 7910, 7920, 7930, 7940, 7950, 7960, 7970, 7980, 7990, 8000, 8010, 8020, 8030, 8040, 8050, 8060, 8070, 8080, 8090, 8100, 8110, 8120, 8130, 8140, 8150, 8160, 8170, 8180, 8190, 8200, 8210, 8220, 8230, 8240, 8250, 8260, 8270, 8280, 8290, 8300, 8310, 8320, 8330, 8340, 8350, 8360, 8370, 8380, 8390, 8400, 8410, 8420, 8430, 8440, 8450, 8460, 8470, 8480, 8490, 8500, 8510, 8520, 8530, 8540, 8550, 8560, 8570, 8580, 8590, 8600, 8610, 8620, 8630, 8640, 8650, 8660, 8670, 8680, 8690, 8700, 8710, 8720, 8730, 8740, 8750, 8760, 8770, 8780, 8790, 8800, 8810, 8820, 8830, 8840, 8850, 8860, 8870, 8880, 8890, 8900, 8910, 8920, 8930, 8940, 8950, 8960, 8970, 8980, 8990, 9000, 9010, 9020, 9030, 9040, 9050, 9060, 9070, 9080, 9090, 9100, 9110, 9120, 9130, 9140, 9150, 9160, 9170, 9180, 9190, 9200, 9210, 9220, 9230, 9240, 9250, 9260, 9270, 9280, 9290, 9300, 9310, 9320, 9330, 9340, 9350, 93

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3877
Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: _____
Date 9.1.95 Time: 11.00 Surveyor name: J.W.
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state _____
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. DOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles _____ Unvegetated point bars _____
Pools _____ Vegetated point bars _____

National Rivers Authority

P43CR.TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (Tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Stat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate #	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Flow type #	RT	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BL, CP, SH, IG, RP, VE, OW, NS, TL, SW	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Land use within 5m of banktop (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Left bank-top (structure within 1m)	C	C	C	C	C	C	C	C	C	C
Left bank face (structure)	C	C	C	C	C	C	C	C	C	C
Right bank face (structure)	C	C	C	C	C	C	C	C	C	C
Right bank-top (structure within 1m)	C	C	C	C	C	C	C	C	C	C
Land use within 5m of bank top (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or / (present))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens	/	/	/	/	/	/	/	/	/	/
Emergent broad-leaved herbs	/	/	/	/	/	/	/	/	/	/
Emergent reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	/
Floating-leaved (floats)	/	/	/	/	/	/	/	/	/	/
Free-floating	/	/	/	/	/	/	/	/	/	/
Amphibious	/	/	/	/	/	/	/	/	/	/
Submerged broad-leaved	/	/	/	/	/	/	/	/	/	/
Submerged fine/linear-leaved	/	/	/	/	/	/	/	/	/	/
Filamentous algae	/	/	/	/	/	/	/	/	/	/

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

P43CR.TL

SITE NO. 3877 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)	/	/	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/best-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified	/	/	Artificial/unmodified		
Vertical/undercut	/	/	Recessed		
Vertical + toe	/	/	Reinforced - whole bank		
Slope (> 45°)	/	/	Reinforced - top only		
Gentle	/	/	Reinforced - toe only		
Composite	/	/	Artificial two-stage		
			Poached		
			Embankment		
			Set-back embankment		

Use this space to draw profile if different from above, after checking predetermined box

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Runs(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>

P43CR.TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Banktop width (m)	Right Bank
Banktop height (m)	0.8	Water width (m)	1.5
Embankment height (m)	0.8	Water depth (m)	0.10

If threshold lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (1/E only)

M. ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____
Footbridges = _____ Roadbridges = _____
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drugging ☐ moving ☐ Other? State _____
weed-cutting ☒ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fra
	Flush

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use / or E)

Giant Hogweed ☒ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Deep winding river through dense woodland, some grazing large cow lawns outside the channel from a previous flood.

Plants of note: Very small flow + bed sometimes - can't walk

Major conservation features: mangroves of hogweed in places.

Major impacts:

Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKK, WAREHAM, BH20 6BB

P43CR.TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3878

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Telford

Date 9/6/1995 Time: 09:00 Surveyor name: H.D.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/10 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P-49121 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material 1 = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. 1	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate 1	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type 1	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. 1	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from 1L, 1P, 2L, 2P, 3L, 3P, 4L, 4P, 5L, 5P, 6L, 6P, 7L, 7P, 8L, 8P, 9L, 9P, 10L, 10P										
LAND USE WITHIN 5m OF BANKTOP (L)	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
LEFT BANK-TOP (structure within 1m) 1L/1P	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
LEFT BANK FACE (structure) 1L/1P	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
RIGHT BANK FACE (structure) 1L/1P	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
RIGHT BANK-TOP (structure within 1m) 1L/1P	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
LAND USE WITHIN 5m OF BANK TOP (R)	1R	1R	1R	1R	1R	1R	1R	1R	1R	1R
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or P (present))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/bushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										
Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or P)										

P-49121 TL

SITE NO. 3878 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or P if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or P if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile of different from above, after filling predominant box			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
Left	Right	E (≥ 33%)	Present E
None		Shading of channel	
Isolated/scattered		Overhanging boughs	
Regularly spaced, single		Exposed bankside roots	
Occasional clumps		Underwater tree roots	
Semi-continuous		Fallen trees	
Continuous		Coarse woody debris	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None		Present E		None		Present E	
Waterfall(s) - free-fall				Marginal deadwater - slack			
Cascade(s) - chute				Exposed bedrock			
Step/pool sequence				Exposed boulders			
Rapid(s) - whitewater				Unvegetated mid-channel bars			
Riffle-pool sequence				Vegetated mid-channel bars			
Roof(s) - disturbed, rippled				Mature island(s)			
Bank(s) - upwellings				Unvegetated side bars			
Glides(s) - smooth, no eddies				Vegetated side bars			

P-49121 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	3.5	2.8
Banktop height (m)	2.8	2.8
Embankment height (m)	2.8	2.8
Water depth (m)	2.8	2.8
Banktop height (m)	2.8	2.8
Embankment height (m)	2.8	2.8

If transect lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (1FE only)

M ARTIFICIAL FEATURES (Use 1/10 then indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Ferds =

Is water level controlled by weirs/dams downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State:

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state):

Braided/wide channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: large river on channel section but not visible but potentially large banks & grass with sedate over-crops. Steep valley sides right to water's edge.

Major conservation features:

Major impacts:

Incidental observations (animals etc): fish jumping

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

P-49121 TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3879

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: *Nord Gwylan*

Date: *7.12.1995* Time: *15.00* Surveyor name: *HD*

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☒ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/10 then indicate total number)

Riffles *1* Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P49421 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 2

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone)

Mat. = Material = one entry only

1 2 3 4 5 6 7 8 9 10

LEFT BANK

Mat. *1 2 3 4 5 6 7 8 9 10*

Bank modification(s) *NO, AL, PC, AN, EN*

Bank feature(s) *NO, SC, IC, FC, PC, VC, VC*

CHANNEL

Channel substrate *1 2 3 4 5 6 7 8 9 10*

Flow type *1 2 3 4 5 6 7 8 9 10*

Channel modification(s) *NO, SC, IC, FC, PC, VC, VC*

Channel feature(s) *NO, SC, IC, FC, PC, VC, VC*

RIGHT BANK

Mat. *1 2 3 4 5 6 7 8 9 10*

Bank modification(s) *NO, AL, PC, AN, EN*

Bank feature(s) *NO, SC, IC, FC, PC, VC, VC*

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, SP, SW, TW, W, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) *1 2 3 4 5 6 7 8 9 10*

LEFT BANK FACE (structure) *1 2 3 4 5 6 7 8 9 10*

RIGHT BANK FACE (structure) *1 2 3 4 5 6 7 8 9 10*

RIGHT BANK-TOP (structure within 1m) *1 2 3 4 5 6 7 8 9 10*

LAND USE WITHIN 5m OF BANK TOP (R) *1 2 3 4 5 6 7 8 9 10*

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or / (present))

NONE (tick as appropriate)

Liverworts/mosses/lichens ☒ *E* ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent broad-leaved herbs *1 2 3 4 5 6 7 8 9 10*

Emergent reeds/rushes/rubus *1 2 3 4 5 6 7 8 9 10*

Floating-leaved (free) *1 2 3 4 5 6 7 8 9 10*

Free-floating *1 2 3 4 5 6 7 8 9 10*

Amphibious *1 2 3 4 5 6 7 8 9 10*

Submerged broad-leaved *1 2 3 4 5 6 7 8 9 10*

Submerged fine/linear-leaved *1 2 3 4 5 6 7 8 9 10*

Filamentous algae *1 2 3 4 5 6 7 8 9 10*

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

P49421 TL

SITE NO. 3879 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaved/woodland (BL)	<i>E</i>	<i>E</i>	Wetland (eg bog, marsh, fen) (W)		
Coniferous plantations (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R	Artificial/modified	L	R
Natural/unmodified	<i>1 2 3 4 5 6 7 8 9 10</i>	<i>1 2 3 4 5 6 7 8 9 10</i>	Recessed	<i>1 2 3 4 5 6 7 8 9 10</i>	<i>1 2 3 4 5 6 7 8 9 10</i>
Vertical/undercut	<i>1 2 3 4 5 6 7 8 9 10</i>	<i>1 2 3 4 5 6 7 8 9 10</i>	Reinforced - whole bank	<i>1 2 3 4 5 6 7 8 9 10</i>	<i>1 2 3 4 5 6 7 8 9 10</i>
Vertical + toe	<i>1 2 3 4 5 6 7 8 9 10</i>	<i>1 2 3 4 5 6 7 8 9 10</i>	Reinforced - top only	<i>1 2 3 4 5 6 7 8 9 10</i>	<i>1 2 3 4 5 6 7 8 9 10</i>
Steep (> 45°)	<i>1 2 3 4 5 6 7 8 9 10</i>	<i>1 2 3 4 5 6 7 8 9 10</i>	Reinforced - toe only	<i>1 2 3 4 5 6 7 8 9 10</i>	<i>1 2 3 4 5 6 7 8 9 10</i>
Composite	<i>1 2 3 4 5 6 7 8 9 10</i>	<i>1 2 3 4 5 6 7 8 9 10</i>	Artificial two-stage	<i>1 2 3 4 5 6 7 8 9 10</i>	<i>1 2 3 4 5 6 7 8 9 10</i>
Use this space to draw profile if present from above, after filling preferred box			Poached	<i>1 2 3 4 5 6 7 8 9 10</i>	<i>1 2 3 4 5 6 7 8 9 10</i>
			Embanked	<i>1 2 3 4 5 6 7 8 9 10</i>	<i>1 2 3 4 5 6 7 8 9 10</i>
			Set-back embankments	<i>1 2 3 4 5 6 7 8 9 10</i>	<i>1 2 3 4 5 6 7 8 9 10</i>

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

	Left	Right	E ≥ 33%	None	Present E
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present E
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E	None	Present E
Waterfall(s) - freefall	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Exp/pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>
Pool(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Ed(s) - upwellings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>
Glade(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>

P49421 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Banktop width (m)	Right Bank
Banktop height (m)	<i>3.5</i>	<i>5.5</i>	<i>3.5</i>
Banktop height (m)	<i>3.5</i>	<i>5.5</i>	<i>3.5</i>
Banktop height (m)	<i>3.5</i>	<i>5.5</i>	<i>3.5</i>

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (1FE only)

M ARTIFICIAL FEATURES (Use 1/10 then indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = *1* Weirs = *1* Outfalls = *1* Fords = *1*

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Other = *1* Mortar hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dropping ☐ moving ☐ Other? State: *1*

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) *1*

Braided/wide channels ☐ Natural open water ☐ Carr ☐

Debris dams ☒ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/10 then indicate total number)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State: *1*

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: *Mostly straight channel, slightly very steep-sided with the*

Plants of note: *slightly down to river edge. Very shaded little channel*

Major conservation features: *vegetation. Native mixed woodland old water*

Major impacts:

Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: *1*

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

P49421 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel, within a 1m wide transect)

Mat. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

BANK OF LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, MH, SC, RP, WL, OW, RL, TL, RU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m)	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL
LEFT BANK FACE (structure)	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL
RIGHT BANK FACE (structure)	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL
RIGHT BANK-TOP (structure within 1m)	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL
LAND USE WITHIN 5m OF BANK TOP (R)	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL

CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry, max 6 (a 31% area) of 1 (percent))

NON-PLANT (tick as appropriate)	1	2	3	4	5	6	7	8	9	10
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/bulrushes										
Floating-leaved (rooted)										
Free-floating										
Amphibians										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use the 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or S)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel, within a 1m wide transect)

Mat. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

BANK OF LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, MH, SC, RP, WL, OW, RL, TL, RU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m)	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL
LEFT BANK FACE (structure)	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL
RIGHT BANK FACE (structure)	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL
RIGHT BANK-TOP (structure within 1m)	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL
LAND USE WITHIN 5m OF BANK TOP (R)	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL

CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry, max 6 (a 31% area) of 1 (percent))

NON-PLANT (tick as appropriate)	1	2	3	4	5	6	7	8	9	10
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/bulrushes										
Floating-leaved (rooted)										
Free-floating										
Amphibians										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use the 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or S)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

LEFT CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	2	Banktop width (m)	1.5	RIGHT BANK	1.3
Banktop height (m)	1.25			Banktop height (m)	1.3
Embankment height (m)		Water width (m)	1.5	Embankment height (m)	
		Bank depth (m)	2		

If trashes lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

ARTIFICIAL FEATURES (tick in relevant boxes with one entry, max 6 (a 31% area) of 1 (percent))

None ☒ Number of Culverts = Weirs = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ moving ☐ Other? State

weed-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE NUISANCE PLANT SPECIES (tick appropriate box(es))

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

BRIEF DESCRIPTION (tick appropriate box(es))

Descriptive sentence: large river resembling through wide floodplain & grassland

Flats of note: land mainly run & glide. Probably dense bed vegetation but unable to see.

Major conservation features:

Major impacts:

Incidental observations (animals etc): Heron.

DISEASED ALBERS (tick one box)

None ☐ Present ☐ Extensive ☒ Other (disease trees) State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

LEFT CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	2	Banktop width (m)	1.5	RIGHT BANK	1.3
Banktop height (m)	1.25			Banktop height (m)	1.3
Embankment height (m)		Water width (m)	1.5	Embankment height (m)	
		Bank depth (m)	2		

If trashes lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

ARTIFICIAL FEATURES (tick in relevant boxes with one entry, max 6 (a 31% area) of 1 (percent))

None ☒ Number of Culverts = Weirs = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ moving ☐ Other? State

weed-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE NUISANCE PLANT SPECIES (tick appropriate box(es))

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

BRIEF DESCRIPTION (tick appropriate box(es))

Descriptive sentence: large river resembling through wide floodplain & grassland

Flats of note: land mainly run & glide. Probably dense bed vegetation but unable to see.

Major conservation features:








Major impacts:

Incidental observations (animals etc): Heron.

DISEASED ALBERS (tick one box)

None ☐ Present ☐ Extensive ☒ Other (disease trees) State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

A BACKGROUND MAP-BASED INFORMATION		
Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source(km)	Significant tributary ?	Navigation ?
B FIELD SURVEY DETAILS		
Reference network site number: 1181		
Mid-section grid reference of network site if different from designated location:		
COMPLETE THE FOLLOWING FOR ALL SITES		
Grid Reference:		River: Tuli
Date 25/5/1995 Time: 13:10		Surveyor name: C.D.
Adverse conditions affecting survey? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state		
Bed of river visible? No <input type="checkbox"/> partially <input checked="" type="checkbox"/> entirely <input type="checkbox"/> (tick one box)		
Duplicate photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (tick one box)		
Site surveyed from: left bank <input checked="" type="checkbox"/> right bank <input type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)		
C PREDOMINANT VALLEY FORM (tick one box only)		
 <input type="checkbox"/> shallow vee	 <input type="checkbox"/> terraced valley floor	
 <input type="checkbox"/> deep vee	 <input checked="" type="checkbox"/> symmetrical floodplain	
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain	
 <input type="checkbox"/> concave/bowl		
D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [H] then indicate total number)		
Riffles (2)	Unvegetated point bars	
Pools	Vegetated point bars	
National Rivers Authority		

Spot check 1 is at: upstream ☒ downstream ☐ of site (Tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material	1 2 3 4 5 6 7 8 9 10											
LEFT BANK												
Mat. #	EA	CO	GL	LA	LT	CL	CC	SW	W	GA	RR	SW
Bank modification(s)	NO, RFL, F, CA, EN											
Bank feature(s)	SK, NO, J, C, SC, FR, PL, SV											
CHANNEL												
Channel substrate #	SV	FL	CO	GP	LA	SL	CL					
Flow type #	FF	CH	W	CP	CF	CP	UP	SH	PN			
Channel modification(s)	SK, NO, CP, RFL, F, CA, EN											
Channel feature(s)	NO, PO, J, W, PL, H, TR											
RIGHT BANK												
Mat. #	EA	CO	GL	LA	LT	CL	CC	SW	W	GA	RR	SW
Bank modification(s)	NO, RFL, F, CA, EN											
Bank feature(s)	SK, NO, J, C, SC, FR, PL, SV											

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, SW, SC, AP, SE, GR, NO, PL, SV

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m) RFL	V	V	V	S	V	V	C	V	V	V
LEFT BANK FACE (structure) RFL	C	S	C	S	C	S	C	S	C	S
RIGHT BANK-TOP (structure) RFL	C	C	C	S	C	S	C	S	C	S
RIGHT BANK FACE (structure) RFL	V	V	S	C	C	C	V	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	SS	HL	CL	R	IG	SS	HL	CL	PL

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 35% area) or G (present))

NONE (tick as appropriate)										
Liverworts/mosses/lichens	<input checked="" type="checkbox"/>									
Emergent broad-leaved herbs (Duckweed, sp. etc.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent reeds/sedges/rushes (including sp.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Flowering-leaved (rooted)										
Free floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved (e.g. Najas)										
Filamentous algae										

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m long E or G

II LAND USE WITHIN 50m OF BANKTOP Use E (≥ 33% banklength) or A if present					
	L	R		L	R
Broadleaf/mixed woodland (BL)		<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

BANK PROFILES Use E (≥ 33% banklength) or A if present					
Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut		<input checked="" type="checkbox"/>	Reexcavated		
Vertical + toe		<input checked="" type="checkbox"/>	Reinforced - whole bank		
Step (> 45°)		<input checked="" type="checkbox"/>	Reinforced - top only		
Gravel		<input checked="" type="checkbox"/>	Reinforced - toe only		
Composite		<input checked="" type="checkbox"/>	Artificial two-steps		
Use this space to draw profile if different from above, after ticking pre-recorded box			Peached		
			Enbanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES							
TREES (Tick one box per bank)				ASSOCIATED FEATURES (Tick one box per feature)			
	Left	Right	E ≥ 33%	None	Present	E	
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)							
	None	Present	E	None	Present	E	
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

L. CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK		RIGHT BANK	
Banktop width (m)	28.5	Banktop width (m)	1.2
Banktop height (m)	2.2	Banktop height (m)	1.2
Embankment height (m)	0.6	Embankment height (m)	0.6

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use ☐ to indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Ponds =
Footbridges = Reachbridges = Other =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ mowing ☐ Other 7 State
weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)

Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state)
Braided/vide channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE AVOIDANCE PLANT SPECIES (Use 1 or 2)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other 7 State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive notes: large winding river through marsh (now split downstream into rapid main) mainly run or glide/riffle
Plants of note: alders & willows on banks thick but not
Major conservation features: none in process.
Major impact:
Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Platform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3883
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: River: Tjoni
Date 22.11.1995 Time: 11:00 Surveyor name: J.P.
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 1 (2) Unvegetated point bars ?
Pools Vegetated point bars (1)
National Rivers Authority

P-4121 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 2

Spot check 1 is at: upstream end ☐ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Stat. = Material ? = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Stat. #	EA	EA	EA	EA	BE	BE	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate #	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Flow type #	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Stat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANK OF LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, NO, SC, SP, SL, OW, TG, TV

	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK TOP (structure within 1m) BA/SC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BA/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BA/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BA/SC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANKTOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or F (percent))

	E	F	E	F	E	F	E	F	E	F
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/rushes/grasses										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fan-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

P-4121 TL

SITE NO. 3883 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Broadleaved woodland (BL)	E	E	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Strub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predetermined box			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present E
None	<input type="checkbox"/>	<input type="checkbox"/>	E ≥ 33%	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - freefall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - white-water	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>
Glides(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>

P-4121 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Bank top width (m)	27.0	
Bank top height (m)	0.5	
Embanked height (m)		0.50
Water width (m)		0.50
Water depth (m)		0.50
Bank height (m)		0.50

If threshold lower than bank top break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (1:FE only)

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick 'none' where appropriate)

None ☐ Culverts = ☐ Footbridges = ☐ Weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State
wood-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: 100m section of river with a channel with little vegetation on banks, through oak woodland. River section traversed on both sides, area of land left bank becomes steep sided valley & continues as such.
Major conservation features: Sensitive as such.
Major impacts: Severe natural pleasant river.
Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH12 0GB

P-4121 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Plafum category _____

Distance from source(km) _____ Significant tributary ? _____ Navigation ? _____

B. FIELD SURVEY DETAILS

Reference network site number: 3889

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SO 35 7482 River: LETTON LAKE BROOK

Date: 19/5/1995 Time: 12.27 Surveyor name: G. M. L. H. 106

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with site No. on board

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/pole diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 5 Unvegetated point bars _____

Pools 8 Vegetated point bars _____

IF E-M-E - See page 1

National Rivers Authority

DATES: hand named marked deleted

NRA RIVER HABITAT SURVEY 1995: TEN-KNOT CHECKS Page 2 of 4

Riffles 11 Pools 11 Unvegetated point bars _____ Vegetated point bars _____

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at upstream end of site

	1	2	3	4	5	6	7	8	9	10	11
LEFT BANK: <u>leaving downstream</u>											
Bank material (fine)	GR	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RI	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	SC
CHANNEL NOTE: <u>Use scale of 1-10</u>											
Channel substrate (fine)	CO	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Flow type (fine)	UN	NP	SM	NP	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: <u>leaving downstream</u>											
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RI	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	BL	IG	IG	K	K	K	K	K	K	K	K
LEFT BANK-TOP (structure within 1m)	C	U	S	U	S	S	S	S	S	S	S
LEFT BANK FACE (structure)	U	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	U	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	U	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3889

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or A if present)

	L	R		L	R		
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WE)				
Coniferous plantation (CP)			Open water (OW)				
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	E		
Scrub (SC)			Tilled land (TL)		E		
Rough pasture (RP)			Suburban/urban development (SU)				
	L	R		L	R		
Natural/unmodified			Artificial/unmodified				
Vertical/undercut	2	2	Reinforced				
Vertical + toe	2	2	Reinforced - whole bank	2	2		
Steep (> 45°)	2	2	Reinforced - top only				
Gentle	2	2	Reinforced - toe only				
Composite			Artificial two-stage				
Use this space to draw profile of different from above, after taking perpendicular box			Peached				
			Embanked				
			Set-back embankments				
TREES (Tick one box per bank)	Left	Right	NOTES	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E	NOTES
None	<input type="checkbox"/>	<input type="checkbox"/>		Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed backside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	None	Present E		None	Present E	NOTES	
Waterfall(s) - freefall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Race(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	Water width (m)	Banktop height (m)	Water depth (m)	Embanked height (m)
	<u>1.2</u>	<u>2.0</u>	<u>5.0</u>	<u>0.1</u>	<u>1.2</u>

If bankline lower than banktop break in slope, indicate height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-11 indicate count number, tick "none" where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other ? State _____

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	Other (state)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>
Debris dams <input checked="" type="checkbox"/>	Water meadow <input checked="" type="checkbox"/>	Marsh <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11 indicate count number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State _____

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: woodland channel - low flow at time of survey

Plants of note: (see list)

Major conservation features: woodland on both banks (guzzing)

Major impacts: _____

Incidental observations (animals etc): _____

IF E-M-E - See page 1

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State _____

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, B120 6BB

Envelopes supplied! Post completed forms for processing. Labels supplied separately.

NRA RIVER HABITAT SURVEY 1995 IFE P-A-A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3891

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SO 570496 River: BODENHAM BROOK

Date: 15/5/1995 Time: 09:15 Surveyor name: J.B. M.A. 78, 74 PM 16 AK 70m

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) *See notes*

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/other features

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 3 Unvegetated point bars 1

Pools 4 Vegetated point bars 3

IFE - mid - see survey report

National Rivers Authority

DATES: record prepared validated checked

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles ☒ Pools ☒ Unvegetated point bars ☒ Vegetated point bars ☒

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one)

Spot check 1 is at upstream end of site (tick one)

LEFT BANK (tick one) 1 2 3 4 5 6 7 8 9 10

Bank material (fine) EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NO VS NO NO NO NO NO NO NO NO

CHANNEL NOTE: Use the scale for assessment of channel

Channel substrate (fine) SI SI SI SI SI SI SI SI SI SI

Flow type (fine) SA SA SA SA SA SA SA SA SA SA

Channel modification(s) NO NO NO NO NO NO NO NO NO NO

Channel feature(s) NO NO NO NO NO NO NO NO NO NO

RIGHT BANK (tick one) 1 2 3 4 5 6 7 8 9 10

Bank material (fine) EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NO VS VP NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide patch)

Land use: choose one from 1L, 1C, 1P, 1D, 1F, 1G, 1H, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUCS S S S S S S S S S S

LEFT BANK FACE (structure) BAUCS S S S S S S S S S S

RIGHT BANK-TOP (structure within 1m) BAUCS S S S S S S S S S S

RIGHT BANK FACE (structure) BAUCS S S S S S S S S S S

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (2-3% area) or F (greater))

NONE (tick)

Emergent broad-leaved herbs ☒

Emergent narrow-leaved herbs ☒

Emergent sedge/straw ☒

Emergent reed/straw ☒

Free-floating ☐

Amphibious ☐

Submerged broad-leaved ☐

Submerged fine-leaved ☐

Filamentous algae ☐

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use tick in boxes of groups 1-5. Plants in vegetation + species if possible of plants just a few stems/leaves

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3891

H. LAND USE WITHIN 50m OF BANKTOP (Use E (2-3% banklength) or F (greater))

1L 1C 1P 1D 1F 1G 1H 1J 1K 1L 1M 1N 1O 1P 1Q 1R 1S 1T 1U 1V 1W 1X 1Y 1Z

Broadleaf/mixed woodland (BL) Wetland (eg bog, marsh, fen) (WJ)

Coniferous plantation (CP) Open water (OW)

Moorland/heath (MH) Improved/best-improved grass (IG)

Scrub (SC) Tilled land (TL)

Rough pasture (RP) Suburban/urban development (SU)

I. BANK PROFILES (Use E (2-3% banklength) or F (greater))

Natural/unmodified L R Artificial/modified L R

Vertical/undercut 1 2 3 4 5 6 7 8 9 10

Vertical + toe 1 2 3 4 5 6 7 8 9 10

Steep (> 45°) 1 2 3 4 5 6 7 8 9 10

Gentle 1 2 3 4 5 6 7 8 9 10

Composite 1 2 3 4 5 6 7 8 9 10

Use this space to draw profile of different from above, after visiting predominant box

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☐ Left ☐ Right ☐ WJES

Isolated/scattered ☐

Regularly spaced, single ☐

Occasional clumps ☐

Semi-continuous ☒

Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

E & J2% ☐ None ☐ Present ☐ NO YES

Shading of channel ☐

Overhanging boughs ☐

Exposed bankside roots ☐

Underwater tree roots ☐

Fallen trees ☐

Coarse woody debris ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ None ☐ Present ☐ Marginal deadwater - slack ☐

Cascade(s) - chute ☐

Step/pool sequence ☐

Rapid(s) - whitewater ☐

Riffle-pool sequence ☐

Run(s) - disturbed, rippled ☐

Boil(s) - spwellings ☐

Glide(s) - smooth, no eddies ☐

Exposed bedrock ☐

Exposed boulders ☐

Unvegetated mid-channel bars ☐

Vegetated mid-channel bars ☐

Mature island(s) ☐

Unvegetated side bars ☐

Vegetated side bars ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 3.0 RIGHT BANK

Banktop height (m) 1.0 Water width (m) 1.5 Banktop height (m) 2.0

Embanked height (m) 0.05 Water depth (m) 0.05 Embanked height (m)

If trathline lower than banktop break in slope, indicate: height (m) 1.0 width(m) 3.0

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement in: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =

Featherbridges = Roadbridges = Other =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Men/wholes of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Brick/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate) (The Sentence(s))

Descriptive sentence: Small stream, tree-lined, meandering.

Plants of note: (and list)

Major conservation features:

Major impacts:

Incidental observations (animals etc): large birds & prey in nearby trees (nesting)

IFE channel survey by J.B. M.A. 78, 74 PM 16 AK 70m

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied on request.

Have you completed your responses from this week? (send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995 IFE P.A.A. Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-5)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? ☒ NO Navigation? ☒ NO

B FIELD SURVEY DETAILS

Reference network site number: 3896

Mid-section grid reference of network site if different from designated location:

COMPLET THE FOLLOWING FOR ALL SITES

Grid Reference: SP017+55 River: MERRY BROOK

Date: 1.5.1995 Time: 15.30 Surveyor name: J.B. TW (PH) I LAK TON

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/convex + notes/extra diagrams

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1H then indicate total number)

Riffles 9 Unvegetated point bars

Pools 5 Vegetated point bars

IFE - Inval - See over 1995/11

National Rivers Authority

DATES: Record prepared validated date

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS. Page 2

Riffles ☒ Pools ☒

E PHYSICAL ATTRIBUTES (to be assessed across the site)

Spot check 1 is at: upstream end ☒ of site downstream ☒ (tick one)

LEFT BANK

Bank material (one) EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NO NO NO NO NO NO NO NO NO NO

Channel modification(s) NO NO NO NO NO NO NO NO NO NO

Channel feature(s) NO NO NO NO NO NO NO NO NO NO

RIGHT BANK

Bank material (one) EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NO NO NO NO NO NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, RP, WL, OW, JO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) SC BL

LEFT BANK-TOP (structure within 1m) BAUSC

LEFT BANK FACE (structure) BAUSC

RIGHT BANK FACE (structure) BAUSC

RIGHT BANK-TOP (structure within 1m) BAUSC

LAND USE WITHIN 5m OF BANK TOP (R) RP DL

G CHANNEL VEGETATION TYPES (fill in relevant boxes)

NONE (tick) Plant genera (tick one)

Emergent broad-leaved sedges

Emergent reeds

Emergent sedges

Free-floating

Amphibious

Submerged broad-leaved

Submerged fine-leaved

Filament, algae

Use end 'catch-all' column for types not occurring in spot checks: well as overall assessment over 500m (use E or R) +

PLANTS - Use tick marks of genera + species if possible + species of possible + species of possible + species of possible

REF: 1

SITE NO. 3896 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or I if present)

Broadleaf/unixed woodland (BL) ☒ Wetland (eg bog, marsh, fen) (WL)

Coniferous plantation (CP) ☐ Open water (OW)

Moorland/heath (MH) ☐ Improved/semi-improved grass (IG)

Scrub (SC) ☒ Tilted land (TL)

Rough pasture (RP) ☐ Suburban/urban development (SU)

I BANK PROFILES (Use E (≥ 33% banklength) or I if present)

Natural/unmodified L R Artificial/modified L R

Vertical/unerect ☒ Resectioned

Vertical + toe ☒ Reinforced - whole bank

Slope (> 45°) ☒ Reinforced - top only

Gentle ☒ Reinforced - toe only

Composite ☒ Artificial two-stage

Use this space to draw profile if different from above, after filling predetermined box

J EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per feature)

TREES (tick one box per bank)

None ☐ Isolated/scattered ☐ Regularly spaced, single ☐ Occasional clumps ☐ Semi-continuous ☐ Continuous ☒

ASSOCIATED FEATURES (tick one box per feature)

None ☐ Present ☒ Shading of channel ☐ Exposed boughs ☐ Exposed bankside roots ☐ Underwater tree roots ☐ Fallen trees ☐ Coarse woody debris ☒

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

None ☐ Present ☒ Marginal deadwater - slack ☐ Exposed bedrock ☐ Exposed boulders ☐ Unvegetated mid-channel bars ☐ Vegetated mid-channel bars ☐ Mature island(s) ☐ Unvegetated side bars ☐ Vegetated side bars ☐

Have you completed your queries from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site)

LEFT BANK Banktop width (m) 3.5

Banktop height (m) 1.0 Water width (m) 1.75

Embanked height (m) 0.1 Water depth (m) 3.5

If transect lower than banktop break in slope, indicate height (m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)

M ARTIFICIAL FEATURES (Use 1H then indicate total number)

None ☐ Number of Culverts = 1 Weirs = 0

Is water level controlled by weir/dam downstream? No ☒ Yes ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ weed-cutting ☐ enhancement ☐ Other? State:

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)

Braided/side channels ☐ Artificial open water ☐ Bog ☐ Other (state):

Debris dams ☒ Natural open water ☐ Carr ☐

Leafy debris ☐ Water meadow ☐ Marsh ☐

Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? ☒ YES ☐ NO

Q NOTABLE NUISANCE PLANT SPECIES (Use 1H then indicate total number)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R RIVER DESCRIPTION (Use 1H then indicate total number)

Descriptive sentence: SMALL URBANIZED STREAM, MAINLY BUILT, MIXTURE OF A TALLS AND BUSHES, RECENTLY DAMAGED.

Plants of note: NONE

Major conservation features:

Major impacts:

Incidental observations (animals etc):

IFE - Inval - See over 1995/11

S DISEASED ALDERS (tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, DT20 8BB

Envelopes supplied! Post completed form for processing - labels supplied - stamps

NRA RIVER HABITAT SURVEY 1995: T-J-N SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source (km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3897

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SP 143 477 River: NOLEHAM BROOK

Date: 1.1.1995 Time: 15:40 Surveyor name: J. H. P. M. A. K. T. O. W.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) *See No. 1!*

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorgo ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on the diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1 if then indicate total number)

Riffles $n = 2$ Unvegetated point bars

Pools $n = 2$ Vegetated point bars

IFE - 10.1 - See entry 10.1.1

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: T-J-N SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ downstream end ☒ (tick one box)

LEFT BANK (tick one box)

Bank material (fine) ☒ EA EA EA EA EA EA EA EA EA EA

Bank modification(s) ☒ NO NO NO NO NO NO NO NO NO NO

Bank features(s) ☒ NO NO NO NO NO NO NO NO NO NO

CHANNEL NOTE

Channel substrate (fine) ☒ SI SI SI SI SI SI SI SI SI SI

Flow type (fine) ☒ RP RP RP RP RP RP RP RP RP RP

Channel modification(s) ☒ NO NO NO NO NO NO NO NO NO NO

Channel features(s) ☒ NO NO NO NO NO NO NO NO NO NO

RIGHT BANK (tick one box)

Bank material (fine) ☒ EA EA EA EA EA EA EA EA EA EA

Bank modification(s) ☒ NO NO NO NO NO NO NO NO NO NO

Bank features(s) ☒ NO NO NO NO NO NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide band)

Land use: choose one from SL, CP, SW, TC, SP, RL, CW, NO, IL, SU

LAND USE WITHIN 5m OF BANKTOP (L) TL TL TL TL TL TL TL TL TL TL

LEFT BANK-TOP (structure within 1m) BAUSC S S S U U S U S S S

LEFT BANK FACE (structure) BAUSC S C C C S S C S C S

RIGHT BANK FACE (structure) BAUSC U B U U S S U U C S

RIGHT BANK-TOP (structure within 1m) BAUSC U U U U U U U U S U

LAND USE WITHIN 5m OF BANK TOP (R) K K K K K K K K K K

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry per box (2 3% area) or 1 present)

NONE (tick one box)

Plant genera (tick one box)

Emergent broad-leaved herbs ☒

Emergent reeds ☒

Flowering broad-leaved herbs ☒

Free-floating ☒

Amphibious ☒

Schregered ☒

Submerged fine-leaved ☒

Filamentous algae ☒

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use tick boxes of genera of plants, ferns, mosses + species if possible of both parts of botanical nomenclature

Hand 1015 framed nishit dshis

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (2 3% banklength) or F if present)

L R

Broadleaf/mixed woodland (BL) Wetland (eg bog, marsh, fen) (WL)

Coniferous plantation (CP) Open water (OW)

Moorland/heath (MH) Improved/semi-improved grass (IG)

Scrub (SC) Tilled land (TL)

Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (2 3% banklength) or F if present)

L R

Natural/unmodified Resectioned

Vertical/undercut Reinforced - whole bank

Vertical + toe Reinforced - top only

Steep (>45°) Reinforced - toe only

Gentle Artificial two-stage

Composite Peached

Use 1/2 space to draw profile if different from above, after taking predetermined box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☐ Left ☐ Right ☐ WATERS

Isolated/scattered ☐ E 2 3% ☐ None ☐ Present ☐ NO YES

Regularly spaced, single ☐ Overhanging boughs ☐

Occasional clumps ☐ Exposed bankside roots ☐

Semi-continuous ☐ Underwater tree roots ☐

Continuous ☐ Fallen trees ☐

Coarse woody debris ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None Present E

Waterfall(s) - free-fall ☐ Marginal deadwater - silt ☐

Cascade(s) - chute ☐ Exposed bedrock ☐

Step/pool sequence ☐ Exposed boulders ☐

Rapid(s) - white-water ☐ Unvegetated mid-channel bars ☐

Riffle-pool sequence ☐ Vegetated mid-channel bars ☐

Pune(s) - disturbed, rippled ☐ Mature island(s) ☐

Boil(s) - upwellings ☐ Unvegetated side bars ☐

Glide(s) - smooth, no eddies ☐ Vegetated side bars ☐

Have you completed your entries from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 6.0

Banktop height (m) 1.5

Banked height (m) 0.2

Banktop height (m) 4

Banked height (m) 0.2

Banktop height (m) 2.5

Banked height (m) 3.0

Bed material at site is: consolidated (frequent) ☐ unconsolidated (frequent) ☒ unconsolidated (rare) ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) 1

M ARTIFICIAL FEATURES (Use 1 if indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = Ponds =

Is water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: NONE

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☒ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use A or B)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: NONE

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Ditch-stream in heathland agricultural landscape.

Plants of note: Willow

Major conservation features: Silt & predominantly glide.

Major impacts: PDS, 25 in post - i.e. deep channel

Incidental observations (animals etc): Moorhen! Pheasants!

IFE channel condition: B filtered

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied on request.

NRA RIVER HABITAT SURVEY 1995: IFB RIVER Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source (km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3898

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SP 237473 River: STAR

Date 3.15.1995 Time: 16:30 Surveyor name: W. J. H. 16 AK 70w

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: with 50m N on bank

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM: (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes: note 1

D. NUMBER OF RIFFLES, POOLS AND POINT BARS: (Use [H] then indicate total number)

Riffles 3 Unvegetated point bars

Pools 5 Vegetated point bars 2

IFB - note - see survey log

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles (10) Pools (10) Unvegetated point bars (10) Vegetated point bars (10)

E. PHYSICAL ATTRIBUTES: (to be assessed across channel within a 1m wide zone)

Spot check 1 is at upstream end of site

LEFT BANK

Bank material (fine) EA EA EA EA EA EA EA EA EA EA

Bank modification(s) ☒ NO, FE, FC, EN, EM

Bank feature(s) ☒ AC, ME, EC, SC, FC, FC, FC, FC

CHANNEL NOTE: 1m wide zone

Channel substrate (fine) CL, CL, CL, CL, CL, CL, CL, CL, CL, CL

Flow type (fine) SM, RP, RP, SM, RP, SM, RP, SM, RP, SM

Channel modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Channel feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

RIGHT BANK

Bank material (fine) EA EA EA EA EA EA EA EA EA EA

Bank modification(s) ☒ NO, FE, FC, EN, EM

Bank feature(s) ☒ AC, ME, EC, SC, FC, FC, FC, FC

F. BANKTOP LAND USE AND VEGETATION STRUCTURE: (to be assessed over a 10m wide transect)

Land use: choose one from SL, CP, MH, SC, SP, VL, GR, NO, IL, SU

LAND USE WITHIN 5m OF BANKTOP (L) 1 1 1 1 1 1 1 1 1 1

LEFT BANK-TOP (structure within 1m) U U U U U U U U U U

LEFT BANK FACE (structure) S S S S S S S S S S

RIGHT BANK-TOP (structure within 1m) U U U U U U U U U U

RIGHT BANK FACE (structure) S S S S S S S S S S

LAND USE WITHIN 5m OF BANK TOP (R) 1 1 1 1 1 1 1 1 1 1

G. CHANNEL VEGETATION TYPES: (All in relevant boxes with one entry: use E (to 33% area) or F (present))

NONE (tick)

Live/woody macrophytes: E E E E E E E E E E

Emergent broad-leaved herbs: E E E E E E E E E E

Emergent reeds/scrub/forbs: E E E E E E E E E E

Flowering (species): E E E E E E E E E E

Free-floating: E E E E E E E E E E

Amphibious: E E E E E E E E E E

Submerged: E E E E E E E E E E

Submerged fine-leaved: E E E E E E E E E E

Filamentous algae: E E E E E E E E E E

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS: Use list of plants of common or plants of vegetation + species if possible of plant part + percentage percentage

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3898

H. LAND USE WITHIN 50m OF BANKTOP: (Use E (to 33% banklength) or F if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	V
Scrub (SC)			Tilled land (TL)		E
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES: (Use E (to 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modification		
Vertical/undercut	E	E	Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - toe only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking preferred box			Poached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES: (Tick one box per feature)

TREES (Tick one box per bank)

	Left	Right	Notes
None	<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present E	Notes
Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

K. EXTENT OF CHANNEL FEATURES: (Tick one box per feature)

	None	Present E	Notes
Waterfall(s) - free fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Riffle/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Bank(s) - upwelling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Marginal dead-water - slack	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS: (to be measured at one site on a straight uniform section, preferably across a riffle)

	LEFT BANK	RIGHT BANK
Banktop width (m)	<u>15.0</u>	<u>15.0</u>
Banktop height (m)	<u>3.5</u>	<u>4.0</u>
Banktop height (m)	<u>4.0</u>	<u>4.0</u>
Banktop height (m)	<u>4.0</u>	<u>4.0</u>
Banktop height (m)	<u>4.0</u>	<u>4.0</u>

M. ARTIFICIAL FEATURES: (Use [H] indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT: (Tick appropriate box)

dredging ☐ moving ☐ Other ? State: ...

wood-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST: (Tick appropriate box(es))

CHANNEL: Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state): ...

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL: (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐ (NOT OVER 500 M)

Q. NOTABLE NUISANCE PLANT SPECIES: (Use [H] or [F] indicate total number, tick 'none' where appropriate)

Giant Hogweed ☒ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State: ...

R. BRIEF DESCRIPTION: (Use prompts and key words as appropriate)

Descriptive sentence: Lowland river - steep sides, mostly glide & pool

Major conservation features: Mill channel on L4 bank.

Major impacts: Water level controlled by sluice. Channel low, mill channel high @ time of survey.

S. DISEASED ALDERS: (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: ...

SEND COMPLETED FORM TO: HUGH DAWSON, IFB, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing - labels supplied

Have you completed your squares from this week? (and G FWD for signature!)

F-49023-77

DATE.	Record	10/5	prepared	initialed	dated	checked
7-3-71	TL					

PLANTS - Use it in diets of Greens & Potatoes & Potomaton
+ species if possible eg Pota peck & Potomaton pestivator

Have you completed your expenses form this week? (send to FND for signature!)

Envelopes supplied! Post completed fibre for processing - labels supplied as requested

NRA RIVER HABITAT SURVEY 1995: IFE P-1A-A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3901
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: SP 539491 River: ASBY BROOK
 Date: 21.5.1995 Time: 16.00 Surveyor name: JB, TM, PH, LG, AK, JG
 Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state: 6-6 MAY 95
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Photographs: general character? No ☐ Yes ☒ (tick one box)
 Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1 if then indicate total number)

Riffles 2 Unvegetated point bars 2
 Pools 2 Vegetated point bars 2
 IFE - total = 4

National Rivers Authority

DATES: 21.5.95 22.5.95 23.5.95 24.5.95 25.5.95 26.5.95 27.5.95 28.5.95 29.5.95 30.5.95 31.5.95

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream end ☐ of site ☒ downstream end ☐ (tick one)

	1	2	3	4	5	6	7	8	9	10	11
LEFT BANK (looking downstream)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	RS	NO	RS	RS	RS	RS	NO	RS	RS	RS
Bank feature(s)	NO	NO	NS	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE	(S1 + 4.2)										
Channel substrate (fine)	CL	SL	CL	SL	CL	CL	CL	CL	CL	CL	CL
Flow type (fine)	SM	SM	UP	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (looking downstream)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	NO	RS	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, MH, SC, SP, BL, OW, H, TL, SU

	1	2	3	4	5	6	7	8	9	10	11
LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK-TOP (structure within 1m)	S	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure)	S	B	S	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	S	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or V (green))

	1	2	3	4	5	6	7	8	9	10	11
NONE (tick)											
Plant species (tick one)											
Liverwort											
Mosses/lichens											
Emergent broad-leaved											
Emergent narrow-leaved											
Emergent reeds											
Emergent rushes											
Flowering-leaved (upland)											
Free-floating											
Amphibious											
Submerged - broad-leaved											
Submerged - narrow-leaved											
Filamentous algae											

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

PLANTS - Use tick boxes of Green & Yellow vegetation
 + species if possible eg Potamogeton pectinatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 5m OF BANKTOP (Use E (≥ 33% banklength) or V if present)

	L	R		L	R
Broadleaf/woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL) (SPRAYED !!)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or V if present)

	L	R		L	R
Natural/unmodified			Reinforced		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Steep (> 45°)			Reinforced - toe only		
Geotile			Artificial two-stage		
Composite			Prashed		
Use this space to draw profile if different from above, after setting predominant box					
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	Notes	Associated FEATURES	None	Present	Notes
None				Shading of channel			
Isolated/scattered				Overhanging boughs			
Regularly spaced, single				Exposed bankside roots			
Occasional clumps				Underwater tree roots			
Semi-coalescent				Fallen trees			
Coalescent				Coarse woody debris			

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes		None	Present	Notes
Waterfall(s) - free-fall				Marginal deadwater - slack			
Cascade(s) - chute				Exposed bedrock			
Step-pool sequence				Exposed boulders			
Rapid(s) - white-water				Unvegetated mid-channel bars			
Riffle-pool sequence				Unvegetated mid-channel bars			
Rune(s) - disturbed, rippled				Mature island(s)			
Boil(s) - upwellings				Unvegetated side bars			
Glide(s) - smooth, no eddies				Vegetated side bars			

Have you completed your expenses from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Banktop width (m)	Banktop height (m)	Water width (m)	Water depth (m)	Banktop height (m)	Embankment height (m)
LEFT BANK	4.0	2.0	2.0	0.1	1.8	1.8
RIGHT BANK						

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1 if then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 1 Outfalls = 1 Fords = 1
 Footbridges = 1 Roadbridges = 1 Part of site ☐ 100% of site ☐

Is water level controlled by weirs/dams downstream? No ☒ Part of site ☐ 100% of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drogging ☐ mowing ☐ Other? State: 1
 weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	Bog	Other (state)
Waterfalls > 5m high	Artificial open water		
Braided/wide channels	Natural open water		
Debris dams	Water meadow		
Loose debris	Pin		

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: Nettles

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: meandering clay river - deep sides, mostly SM
 Plants of note: (see list)
 Major conservation features: BL woodland RHB
 Major impacts: Probably RS/dredged in past
 Incidental observations (animals etc):

IFE channel suitability 2 3 4 5 6 7 8 9 10

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STORIE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing. Labels supplied separately

NRA RIVER HABITAT SURVEY 1995 IFE & A-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary CLAYTON Navigation 7

B FIELD SURVEY DETAILS

Reference network site number: 3902 SYRESHAM

Mid-section grid reference of network site if different from designated location: SP 692435

COMPLETE THE FOLLOWING FOR ALL SITES JL DH IH CC ML

Grid Reference: ST 204430 River: CLAYTON

Date: 11/10/95 Time: 09:30 Surveyor name: GC MLV NO (16) FWD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state None

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with 50m x 10m Board

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/extra diagrams

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 1 Unvegetated point bars 1

Pools 1 Vegetated point bars 1

IFE - Ind = See notes page 2

National Rivers Authority

JAMES. Record framed initial details

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 1 Pools 1 Unvegetated point bars 1 Vegetated point bars 1

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone) (d) Mark position of feature (d)

Spot check 1 is at: upstream end ☐ of site ☒ (tick one)

LEFT BANK - looking downstream

Mat. BE, SO, CO, GL, EA, FE, CL, CC, SP, SW, GR, BR, BW

Bank modification(s) ☒ NO, RI, R, PC, BN, EM

Bank feature(s) ☒ NO, NO, EC, SC, PR, VP, SR, VS

CHANNEL NOTE: Use sun, G. in, etc. aspects of channel

Channel substrate (one) NY, BE, SO, CO, GP, SA, SI, CL, AR

Flow type (one) FF, CH, SW, UP, CF, SP, UP, SH, AP, NO

Channel modification(s) ☒ NO, NO, RI, R, PC, BN, EM

Channel feature(s) ☒ NO, NO, RI, R, PC, BN, EM

RIGHT BANK - looking upstream

Mat. BE, SO, CO, GL, EA, FE, CL, CC, SP, SW, GR, BR, BW

Bank modification(s) ☒ NO, RI, R, PC, BN, EM

Bank feature(s) ☒ NO, NO, EC, SC, PR, VP, SR, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, SH, SC, RP, WL, OW, IG, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BU/SIC

LEFT BANK FACE (structure) BU/SIC

RIGHT BANK FACE (structure) BU/SIC

RIGHT BANK-TOP (structure within 1m) BU/SIC

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or V (present))

NONE (tick) ☒ Plant genera (tick one)

Liverworts ☒ Mosses/lichens ☒ Algae ☒

Emergent broad-leaved herbs ☒ Emergent reeds/rushes ☒

Floating-leaved (rooted) ☒ Free-floating ☒

Amphibious ☒ Submerged broad-leaved ☒

Submerged fine-linear-leaved ☒ Filament, algae ☒

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V) ↑

PLANTS - Use 1st 4 letters of genus or Latin name + species if possible or Latin part of botanical name

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or V if present)

Broadleaf/mixed woodland (BL) ☒ Wetland (eg bog, marsh, fen) (WT) ☐

Coniferous plantation (CP) ☐ Open water (OW) ☐

Moorland/heath (MH) ☐ Improved/semi-improved grass (IG) ☐

Scrub (SC) ☐ Tilled land (TL) ☐

Rough pasture (RP) ☐ Suburban/urban development (SU) ☐

III BANK PROFILES (Use E (≥ 33% banklength) or V if present)

Natural/unmodified ☒ Artificial/modified ☐

Vertical/undercut ☒ Resectioned ☐

Vertical + toe ☒ Reinforced - whole bank ☐

Steep (> 45°) ☒ Reinforced - top only ☐

Gentle ☒ Reinforced - toe only ☐

Composite ☒ Artificial re-o-stage ☐

Use this space to draw profile if different from above, after taking predominant bank

Peached ☒ Embanked ☒

Set-back embankments ☒

IV EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☒ Left ☐ Right ☐ W/T/S

Isolated/scattered ☐ Regularly spaced, single ☐

Occasional clumps ☒ Semi-continuous ☐

Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

E ≥ 33% ☐ None ☐ Present ☐ Notes

Shading of channel ☐ Overhanging boughs ☐

Exposed bankside roots ☐ Underwater tree roots ☐

Fallen trees ☐ Coarse woody debris ☐

V EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☒ None ☐ Present ☐ Notes

Cascade(s) - chute ☒ None ☐ Present ☐

Exp/pool sequence ☒ None ☐ Present ☐

Rapids - whitewater ☒ None ☐ Present ☐

Riffle-pool sequence ☒ None ☐ Present ☐

Run(s) - disturbed, rippled ☒ None ☐ Present ☐

Still(s) - upwellings ☒ None ☐ Present ☐

Glide(s) - smooth, no eddies ☒ None ☐ Present ☐

Have you completed your squares from this week? (send to FWD for signature!)

P45421 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 3.0 RIGHT BANK

Banktop height (m) 0.75 Water width (m) 1.5 Banktop height (m) 0.75

Embanked height (m) 0.2 Water depth (m) 0.2 Embanked height (m) 0.2

If trashline lower than banktop break in slope, indicate: height (m) 0.5 width (m) 2.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 2 Weirs = 1 Outfalls = 1 Fords = 1

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State None

weed-cutting ☐ weed-enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) None

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/11)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State Nettles

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Agri-cultural ditch - mostly RS banks. No flow at time of survey. Silt substrate.

Plants of note (see list) None

Major conservation features: No trees 10m section - clumps 15m wide lower end.

Major impacts: RS banks.

Incidental observations (animals etc): None

IFE 2 channel sample taken 1 filtered 1

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State None

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - labels supplied

P45421 TL

NRA RIVER HABITAT SURVEY 1995 IFE P-4-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3903

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SP 798413 River: JL DH IH CC ML

Date: 22/6/1995 Time: 1.00 Surveyor name: CC MLV HD NG FWD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with site log on!

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on the diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/10 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE - m.d. - See p. 4 of 2 (p. 12)

National Rivers Authority

DATES: Record prepared validated data

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles Pools Unvegetated point bars Vegetated point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 3m wide zone)

Spot check 1 is at: upstream end of site (tick one) 1 2 3 4 5 6 7 8 9 10

LEFT BANK (looking downstream)

Mat. BE, SO, CO, GI, EA, FE, CL, CC, SP, WP, CA, BA, RA, BW

Bank modification(s) ☒ NO, BA, FC, BA, LM

Bank features(s) ☒ NO, NO, EC, SC, FC, VP, SP, VS

CHANNEL NOTE Use, state, and tick as appropriate

Channel substrate (one) ☒ NO, BA, CO, CP, SA, SI, CL, AL

Flow type (one) ☒ SM, SW, SP, SA, SW, SP, SA, SW, SP, SA, SW

Channel modification(s) ☒ NO, NO, BA, SA, DA, FO

Channel features(s) ☒ NO, NO, BA, SA, DA, FO

RIGHT BANK (looking downstream)

Mat. BE, SO, CO, GI, EA, FE, CL, CC, SP, WP, CA, BA, RA, BW

Bank modification(s) ☒ NO, BA, FC, BA, LM

Bank features(s) ☒ NO, NO, EC, SC, FC, VP, SP, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, RP, WL, OW, IG, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUSC

LEFT BANK FACE (structure) BAUSC

RIGHT BANK FACE (structure) BAUSC

RIGHT BANK-TOP (structure within 1m) BAUSC

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or F (percent))

NONE (tick) Plant genera (Int. ex. in)

Emergent broad-leaved herbs

Emergent reeds

Submerged broad-leaved

Submerged fine-leaved

Filament, algae

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use the 4 letters of genus & species of plants + species of plants of plants of plants

Repeat 1

SITE NO. 3903 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

Broadleaf/mixed woodland (BL)

Coniferous plantation (CP)

Moorland/heath (MH)

Scrub (SC)

Rough pasture (RP)

Wetland (eg bog, marsh, fen) (WL)

Open water (OW)

Improved/semi-improved grass (IG)

Tilled land (TL)

Suburban/urban development (SU)

I BANK PROFILES (Use E (≥ 33% banklength) or F if present)

Natural/unmodified

Vertical/undercut

Vertical + toe

Steep (> 45°)

Gentle

Composite

Artificial/modified

Resectioned

Reinforced - whole bank

Reinforced - top only

Reinforced - toe only

Artificial two-stage

Poached

Embanked

Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None

Isolated/scattered

Regularly spaced, single

Occasional clumps

Semi-continuous

Continuous

ASSOCIATED FEATURES (Tick one box per feature)

E ≥ 33%

Shading of channel

Overhanging boughs

Exposed bankside roots

Underwater tree roots

Fallen trees

Coarse woody debris

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall

Cascades(s) - chute

Step/pool sequence

Rapid(s) - whitewater

Riffle-pool sequence

Run(s) - disturbed, rippled

Boil(s) - upwellings

Glide(s) - smooth, no eddies

Marginal deadwater - slack

Exposed bedrock

Exposed boulders

Unvegetated mid-channel bars

Vegetated mid-channel bars

Mature island(s)

Unvegetated side bars

Vegetated side bars

Have you completed your expenses for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m)

Water width (m)

Banktop height (m)

Banktop width (m)

Water depth (m)

Banktop height (m)

Banktop width (m)

Water depth (m)

Banktop height (m)

If trashline lower than banktop break in slope, indicate: height (m) width(m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/10 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =

Is water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drogging ☐ moving ☐ Other? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high

Artificial open water

Brick/side channels

Natural open water

Debris dams

Water meadow

Leafy debris

Fen

FLOODPLAIN (50m corridor)

Bog

Cur

Marsh

Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use E or F)

Giant Hogweed

Himalayan Balsam

Japanese Knotweed

Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: W. 10m x 3m channel - rocky SWA (glide), BP substrate

Plants of note: (see list) cuttings - 20m x 10m x 10m

Major conservation features: 20m x 10m x 10m

Major impact: 20m x 10m x 10m

Incidental observations (animals etc): lots of fish, 1000s, 1000s, 1000s etc.

IFE channel survey by CC MLV HD NG FWD

S DISEASED ALGAE (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased areas? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAREHAM, B120 4BB

Envelopes supplied! Post completed form for processing - labels supplied

NRA RIVER HABITAT SURVEY 1995 IFE P.A.A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3904

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES JL DH IH CC ML

Grid Reference SP 850479 River: GREAT OUSE

Date 26/1/1995 Time: 11:30 Surveyor name: CC MLV No 16

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☒ Yes ☐ (tick one box) with site on board!

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM. (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE - Ind - See end of report

National Rivers Authority

DATES: Record prepared validated date of checks

NRA RIVER HABITAT SURVEY 1995 IFE CKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one)

Spot check 1 is at: upstream end ☒ of site (tick one)

LEFT BANK (tick one down stream)

Mat. BE, SO, CO, GE, LA, FE, CL, CC, SP, WP, GA, BR, AR, BW

Bank modification(s) ☒ NO, AT, AL, PC, BM, EN

Bank feature(s) ☒ AK, NO, EC, SC, FR, VP, SB, VS

CHANNEL NOTE (tick one) (tick one) (tick one) (tick one) (tick one) (tick one) (tick one) (tick one) (tick one) (tick one)

Channel substrate (one) NY, BE, SO, CO, GP, SA, SL, CL, AR

Flow type (one) FF, CH, SW, UV, CF, AP, UP, SM, NP, NO

Channel modification(s) ☒ AK, NO, EC, SC, FR, VP, SB, VS

Channel feature(s) ☒ NO, RO, AR, VP, SB, VS

RIGHT BANK (tick one down stream)

Mat. BE, SO, CO, GE, LA, FE, CL, CC, SP, WP, GA, BR, AR, BW

Bank modification(s) ☒ NO, AT, AL, PC, BM, EN

Bank feature(s) ☒ AK, NO, EC, SC, FR, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one BL, CP, MH, SC, IP, VE, OR, IO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BUI/SC

LEFT BANK FACE (structure) BUI/SC

RIGHT BANK FACE (structure) BUI/SC

RIGHT BANK-TOP (structure within 1m) BUI/SC

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or P (present))

NONE (tick) Plant genera (tick one)

Emergent broad-leaved herbs Eleocharis sp

Emergent reed/bedstraw Phragmites, Carex

Floating-leaved (rooted) Utricularia

Free-floating Hydrilla, Elodea

Amphibious Myrica, Scirpus, Juncus

Submerged, broad-leaved

Submerged, fine-leaved

Filamentous algae

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or P)

PLANTS - Use list 4 below of genera & species of vegetation + species if possible eg. Potamogeton pectinatus

REPEAT 1

SITE NO. 3904 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or P (present))

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WZ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/improved grass (IG)	E	
Scrub (SC)			Tilled land (TL)		E
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or P (present))

	L	R		L	R
Natural/unmodified			Artificial/modifed		
Vertical/undercut	7-7		Resectioned		
Vertical + toe			Reinforced + white bank		
Slope (>45°)		E	Reinforced + top only		
Gentle			Reinforced + toe only		
Composite			Artificial to + toe		
			Poached		E
			Embanked		
			Set-back embankments		

Use this space to draw profile if different from above, after tick in predominated box

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

	Left	Right	NOTES
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	

ASSOCIATED FEATURES (Tick one box per feature)

	E ≥ 33%	None	Present E	NOTES
Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E	NOTES
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cascades(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Bolt(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Glides(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

NRA RIVER HABITAT SURVEY 1995 DIMENSIONS Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Banktop width (m)	Water width (m) (R)	Banktop height (m)
LEFT BANK	34.0	31.0	1.0
RIGHT BANK			
Banktop height (m)			
Embankment height (m)			
Water depth (m)			
Banktop width (m)			

If threshold lower than banktop break in slope, indicate height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒ (probably gravel)

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/1 indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =

In water level controlled by weir/dam downstream? No ☐ Part of site ☒ Mouth/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Hog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/1 indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Lowland channel - deep/wide/no flow.

Plants of note (see list): Few trees (willows + alders).

Major conservation features:

Major impacts: Poaching (E) on UHB. (Probably dredged).

Incidental observations (animals etc):

IFE channel sample taken 0 filtered

S DISEASED ALDERS (Tick one box)

None ☐ Present ☒ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, B120 6BB

Envelopes supplied! Post completed form for processing labels supplied

Have you completed your queries from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: 1st & 2nd A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3905

Mid-section grid reference of network site if different from designated location:

COMPLETE THIS FOLLOWING FOR ALL SITES

Grid Reference: S1234567 River: GREAT OUSE

Date 4.1.1995 Time: 12.40 Surveyor name: M. L. H. W. N. F. W.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general features ☐ specific features ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/other diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 7 Unvegetated point bars

Pools 9 Vegetated point bars

IFE - 1st - see exp. 10/11

National Rivers Authority

DATE: 4.1.1995

TIME: 12.40

SURVEYOR: M. L. H. W. N. F. W.

ADVERSE CONDITIONS: No

BED OF RIVER: entirely

PHOTOGRAPHS: specific features

SITE SURVEYED FROM: right bank

VALLEY FORM: symmetrical floodplain

RIFFLES: 7

POOLS: 9

POINT BARS: 1

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use 1-11 then indicate total number)

Land use within 50m of banktop (Use 1-11 then indicate total number)

1-11

I. BANK PROFILES (Use 1-11 then indicate total number)

Bank profile (Use 1-11 then indicate total number)

1-11

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

Trees (Tick one box per bank)

Associated features (Tick one box per feature)

None Present E

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Channel features (Tick one box per feature)

None Present E

Have you completed your squares from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream end ☐ mid site ☒ downstream end ☐ (tick one)

LEFT BANK (looking downstream)

Bank material (fine) FA FA FA FA FA FA FA FA FA FA

Bank modification (1) RS RS RS RS RS RS RS RS RS RS

Bank feature (1) NO NO NO NO NO NO NO NO NO NO

CHANNEL NOTE - Use suitable for aspect of channel

Channel substrate (fine) CL CL CL CL CL CL CL CL CL CL

Flow type (fine) NO NO NO NO NO NO NO NO NO NO

Channel modification (1) NO NO NO NO NO NO NO NO NO NO

Channel feature (1) NO NO NO NO NO NO NO NO NO NO

RIGHT BANK (looking downstream)

Bank material (fine) FA FA FA FA FA FA FA FA FA FA

Bank modification (1) RS RS RS RS RS RS RS RS RS RS

Bank feature (1) NO NO NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CL, HL, SL, PL, WL, OW, IL, TL, SU

Land use within 5m of banktop (1) TL TL TL TL TL TL TL TL TL TL

LEFT BANK-TOP (structure within 1m) BAUSC U S S U S S U U U U

LEFT BANK FACE (structure) BAUSC U U U U B U B U U U

RIGHT BANK-TOP (structure within 1m) BAUSC U U U U B S B U S U U

RIGHT BANK FACE (structure) BAUSC U U U U B S B U S U U

Land use within 5m of banktop (R) TL TL TL TL TL TL TL TL TL TL

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use B (≥ 33% area) or F (present))

NONE (tick)

Emergent broad-leaved herbs ☒ Plantago (B, F, R, S)

Emergent narrow-leaved herbs ☒ Phragmites (B, F, R, S)

Emergent sedge ☒ Apocynum (B, F, R, S)

Free-floating ☒ Najas (B, F, R, S)

Amphibious ☒ Potamogeton (B, F, R, S)

Submerged - broad-leaved ☒ Elodea (B, F, R, S)

Submerged fine-leaved ☒ Elodea (B, F, R, S)

Filamentous algae ☒ Elodea (B, F, R, S)

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

I. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 1.75

Banktop height (m) 1.75

Banktop width (m) 1.75

Banktop height (m) 1.75

Banktop width (m) 1.75

Banktop height (m) 1.75

II. ARTIFICIAL FEATURES (Use 1-11 then indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Folds =

Footbridges = Roadbridges = Other =

III. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

weed-cutting ☐ enhancement ☐

IV. FEATURES OF SPECIAL INTEREST (Tick appropriate box)

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flats ☐

V. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

VI. NOTABLE NUISANCE PLANT SPECIES (Use 1-11 then indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

VII. BRIEF DESCRIPTION (Use prompts and try words as appropriate)

Descriptive statement: High currently at low flow, flow features noted very small

Plants of note:

Major conservation features:

Major impacts: bird damage

Incidental observations (animals etc): possible Badger sett.

VIII. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

DATES. Record 1015 prepared " validated detailed
7-25-72

PLANTS - Use 1st 4 letters of Genus of Pter. & Pteronogon
+ species if possible eg Pter. pect. & Pteronogon pectinatus

Have you completed your expenses for this week? (send to FND for signature!)

Envelopes supplied! Post completed films for processing - labels supplied - stamps

KRA RIVER HABITAT SURVEY 1995 *(if A, B & C)* Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source(km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3907

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TL83404 River: HZE IVEL
Date 5.1.5/1995 Time: .09.30..... Surveyor name
(write full name) Miles M. H. P. H.

Adverse conditions affecting survey? No ☐ Yes ☒ If yes, state highest % of bed not accessible

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with site history
(General = returns with regard to features) None

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl		

+ NOTES / notes / remarks

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 111 then indicate total number)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

IFE - 10-10 - See notes page 2

National Rivers Authority

DATES, Recd 10/5

Sheet 1

SITE NO. 39-7 NRA RIVER HABITAT SURVEY 1995: 600m SWEEP-UP

Page 3 of 4

II LAND USE WITHIN 50m of HABITAT SURVEY 1995: 600m SWEEP-UP Use E (≥ 33% banklength) or ✓ if present

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CF)			Open water (OW)		
Moorland/heath (MH)			Improved/unimproved grass (IG)		
Scrub (SC)	✓		Tilled land (TL)		
Rough pasture (RP)	✓		Suburban/urban development (SU)		✓

I BANK PROFILES Use E (≥ 33% banklength) or ✓ if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/unreinforced			Reinforced		
Vertical + toe			Reinforced - whole bank		✓
Steep (> 45°)		✓	Reinforced - top only		
Grass	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile of stream bank above, other ticked predominant bank			Reinforced - two-stage		✓
			Embanked		✓
			Set-back embankments		








I EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)				ASSOCIATED FEATURES (Tick one box per feature)				None	
Left	Right	Both	≥ 33%	None	Present	E	None	Present	E
Noise				Shading of channel					
Isolated/scattered	✓	✓		Overhanging boughs		✓		✓	
Regularly spaced, single				Exposed bankside roots	✓				
Occasional clumps				Underwater tree roots	✓	✓		✓	
Semi-continuous				Fallen trees	✓				
Continuous				Coarse/windy debris	✓				

None EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E		None	Present	E	None
Waterfall(s) - free-fall				Marginal deadwater - silt				
Canal(s) - chute	✓			Exposed bedrock	✓			
Step/pool sequence	✓			Exposed boulders				
Rapid(s) - whitewater	✓			Unvegetated mid-channel bars	✓			
Riffle-pool sequence	✓			Vegetated mid-channel bars	✓			
Run(s) - dune-bed, rippled	✓			Mature island(s)	✓			
Bail(s) - upwellings				Unvegetated side bars				
Glide(s) - smooth, no eddies				Vegetated side bars	✓	✓		

Have you completed your expenses from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995 <small>Form A</small> Page 1 of 4			
A BACKGROUND MAP-BASED INFORMATION			
Altitude(m)	Slope (m/km)	Flow category (1-10)	
Solid geology code	Drift geology code	Planform category	
Distance from source(km)	Significant tributary ?	Navigation ?	
B FIELD SURVEY DETAILS			
Reference network site number: <u>3908</u>			
Mid-section grid reference of network site if different from designated location:			
COMPLETE THE FOLLOWING FOR ALL SITES			
Grid Reference: <u>T293420</u>		River: <u>CHENEY WATER TO GREAT OUSE</u>	
Date: <u>5.11.1995</u>	Time: <u>13:20</u>	TB TW PM 16 AK 70m Surveyor name <u>(none or add)</u> 6-2 MLY NO NG FWD	
Adverse conditions affecting survey?		No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> if yes, state
Bed of river visible?		No <input type="checkbox"/>	partially <input type="checkbox"/> entirely <input checked="" type="checkbox"/> (tick one box)
Photographs: general character? No <input type="checkbox"/> special features [] Essential - further visits required if failures? <input type="checkbox"/> 2 photos taken			
Site surveyed from: left bank <input type="checkbox"/>		right bank <input type="checkbox"/> channel <input checked="" type="checkbox"/> (tick as appropriate)	
C PREDOMINANT VALLEY FORM (tick one box only)			
	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input checked="" type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave bowl	+ NOTE/obs TUCAN	
D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [H] then indicate total number)			
Riffles <u>1</u>	Unvegetated point bars		
Pools <u>2</u>	Vegetated point bars		
National Rivers Authority			

DATES. Recd 10/5

1000000

تاریخ

$$L_{\text{eff}} =$$

Chapman

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles ☐ / (2/4) Pools ☐ Unvegetated point bars ☐ Vegetated point bars ☐

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (d) (Mac & position) feature (f)

Spot check 1 is at optimum and downstream ☐ of site (tick one)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK: looking downstream										
Bank material (fine) <small>RE.BD.CO.GL.SL.FE.CL</small>	EA	FA	CA	EA	EA	CA	EA	CA	EA	FA
Bank modification(s) <input checked="" type="checkbox"/> <small>NO.SL.FP.CM.LM</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input checked="" type="checkbox"/> <small>NO.NO.EC.SC.FP.VP.VS</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE: Use <i>Mac</i> for <i>Mac</i> aspects of habitat										
Channel substrate (fine) <small>NO.SL.BD.CO.GL.FP.SL.FE.CL</small>	S1	S1	S1	S1	S1	S1	GP	S1	S1	S1
Flow type (fine) <small>FP.CO.BP.UV.CP.AP.VP.SL.SD</small>	SM	SM	SM	NP	NP	NP	SM	SM	SM	SM
Channel modification(s) <input checked="" type="checkbox"/> <small>NO.NO.SL.BD.FO</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <input checked="" type="checkbox"/> <small>NO.NO.SL.VP.HL.TB</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: looking downstream										
Bank material (fine) <small>RE.BD.CO.GL.SL.FE.CL</small>	EA	FA	CA	EA	EA	CA	EA	CA	EA	FA
Bank modification(s) <input checked="" type="checkbox"/> <small>NO.SL.FP.CM.LM</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input checked="" type="checkbox"/> <small>NO.NO.EC.SC.FP.VP.VS</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide wanders)										
Land use: choose one from BL, CP, HF, SC, LP, WL, OW, IS, TL, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	Su	Su	Su	Su	PP	LP	BL	BL	TL	RY
LEFT BANK TOP (structure within 1m) <small>BAUSIC</small>	U	U	U	U	U	U	S	S	C	C
LEFT BANK FACE (structure) <small>BAUSIC</small>	U	U	U	S	B	S	S	B	S	C
RIGHT BANK FACE (structure) <small>BAUSIC</small>	U	U	U	S	S	S	B	B	S	B
RIGHT BANK TOP (structure within 1m) <small>BAUSIC</small>	U	S	S	S	S	S	S	S	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	Su	Su	Su	Su	SC	SC	PL	PL	IG	IG
G CHANNEL VEGETATION TYPES (fill in relevant boxes with an entry: use E (> 33% area) or F (percent))										
NONE (tick)										
Plant genera (native)										
Emergent										
Emergent broad leaved herbs										
Emergent reeds and sedges										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous, algae										

Use end 'catch-all' column for types not occurring. In spot checks as well as overall assessment over 500m (use E or F)

3903

I LAND USE WITHIN 80m OF BANKTOP Use E ($\geq 33\%$ hantlength) or ✓ if present										
L	R			L	R					
Broadleaf/mixed woodland (BL)	E		Wetland (eg bog, marsh, fen) (WL)							
Coniferous plantation (CP)			Open water (OW)							
Moor/heath/bheath (MH)			Improved/semi-improved grass (IG)		E					
Scrub (SC)	F		Tilled land (TL)							
Pough pasture (PP)			Suburban/rural development (SU)	F	F					
J BANK PROFILES: Use E ($\geq 33\%$ hantlength) or ✓ if present										
Natural/unmodified	L	R	Artificial/modifed	L	R					
Vertical/cut/revet 	E	F	Revetioned 							
Vertical + toe 			Reinforced - whole bank 							
Steep (> 45°) 	✓	✓	Reinforced - top only 							
Graze 	✓	✓	Reinforced - toe only 							
Composites 			Artificial two-stage 							
Use this space to draw profile if different from above, after making preliminary box			Peached 		✓					
			Embankment 							
			Set-back embankments 							
K EXTENT OF TREES AND ASSOCIATED FEATURES										
TREES (Tick one box per bank)				ASSOCIATED FEATURES (Tick one box per feature)						
	Left	Right	No trees	E $\geq 33\%$	None	Present	E	No trees		
None	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fallen trunks	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
K2 EXTENT OF CHANNEL FEATURES: (Tick one box per feature)										
	None	Present	E	None	Present	E	No trees			
Waterfall(s) – freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater – slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Cascade(s) – chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Scallop pool sequences	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Rapid(s) – whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Riffle/pool sequences	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Rune(s) – disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Boil(s) – upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Glide(s) – smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

Have you completed your expenses from this week? (send to FND for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK	Backstop width (m)	4.5	RIGHT BANK	
Backstop height (m)	0.3	Water width (m)	4.5	Backstop height (m)
Enbanked height (m)		Water depth (m)	0.3	Enbanked height (m)

If tranline lower than backstop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (pick one box) Slope (SFE only)

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 5 Readbridges = Other =
Is water level controlled by weildam downstream? No ☐ Part of site ☒ Mouth hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☒ moving ☐ Other ? State *Subsided water garden feature*
weed-cutting ☐ enhancement ☒

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/> Other (state)
Braided/divide channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Mudflats <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>

P CROOKED CHANNEL (Tick one box)

Is 35% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-6) *Nettle, Shrub, Bramble*

Giant Hogweed ☐ Himalaya Balsam ☐ Japanese Knotweed ☐ Other ? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate) *"The Sentinel's"*

Descriptive sentence: *First 200m extensively managed for garden feature*
gradual transition to native woodland

Plants of note:

Major conservation features: *Unusual habitat setting for lowland river*
passing through glacially deposited woodland
(unusual for E Angles)

Major impacts:

Incidental observations (animals etc):

IF ☒ *check only one box* ☒ *filled* ☐

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other disease tree? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOR, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3910
Mid-section grid reference of network site (if different from designated location):
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: TL498434 River: Cam / Great Ouse
Date: 8/5/1995 Time: 14:30 Surveyor name: G. M. H. (FWD)
Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☐ (tick one box) with site No on!
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes: note 1: main

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [H] then indicate total number)

Riffles | Unvegetated point bars
Pools | Vegetated point bars
(If E and S are zero, say 11)

National Rivers Authority

DATES: head ground unlinked delta channels

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream end ☐ of site (tick one)
1 2 3 4 5 6 7 8 9 10

LEFT BANK (looking downstream)

Bank material (fine) ☒ NO, SL, CL, S, F, G, L
Bank modification(s) ☒ NO, SL, CL, S, F, G, L
Bank feature(s) ☒ NO, SL, CL, S, F, G, L
CHANNEL NOTE Use: the bank is NO, SL, CL, S, F, G, L
Channel substrate (fine) ☒ NO, SL, CL, S, F, G, L
Flow type (fine) ☒ NO, SL, CL, S, F, G, L
Channel modification(s) ☒ NO, SL, CL, S, F, G, L
Channel feature(s) ☒ NO, SL, CL, S, F, G, L
RIGHT BANK (looking upstream)

Bank material (fine) ☒ NO, SL, CL, S, F, G, L
Bank modification(s) ☒ NO, SL, CL, S, F, G, L
Bank feature(s) ☒ NO, SL, CL, S, F, G, L

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CP, HR, IC, RP, VL, CW, HO, TL, SU
LAND USE WITHIN 5m OF BANKTOP (L) SU SU SU SE SE SE SE SE SU
LEFT BANK-TOE (structure within 1m) ☒ SU SU SU SU SU SU SU SU SU
LEFT BANK FACE (structure) ☒ SU SU SU SU SU SU SU SU SU
RIGHT BANK FACE (structure) ☒ SU SU SU SU SU SU SU SU SU
RIGHT BANK-TOE (structure within 1m) ☒ SU SU SU SU SU SU SU SU SU
LAND USE WITHIN 5m OF BANK TOP (R) TL TL TL TL TL TL TL TL TL

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or F (present))

NONE (tick) Plant species (tick one)
Liverwort moss/lichens: ☒ Algae
Emergent broad-leaved herbs: ☒ Sparganium
Emergent reeds/ sedges/poises: ☒ Phragmites
Floating-leaved (tick one): ☒ Cabomba
Free-floating: ☒ Rorippa
Amphibious: ☒
Submerged: ☒
Submerged float: ☒
Filamentous algae: ☒

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use tick in boxes of groups or ticks in boxes of species
+ species of possible eg. Polka patch a Potamogeton pectinatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F if present)

L R L R
Broadleaved woodland (BL) Wetland (eg bog, marsh, fen) (WL)
Coniferous plantation (CP) Open water (OW)
Moorland/heath (MH) Improved/semi-improved grass (IG)
Scrub (SC) Tilled land (TL)
Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (in 33% banklength) or F if present)

Natural/unmodified L R Artificial/modified L R
Vertical/undercut ☒ Reinforced - whole bank ☒
Vertical + toe ☒ Reinforced - top only ☒
Steep (> 45°) ☒ Reinforced - toe only ☒
Gentle ☒ Artificial two-stage ☒
Composite ☒ Paved ☒
Use this space to draw profile if different from above, after tickling professional box ☒ Embanked ☒
Set-back embankments ☒

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per bank)

TREES (Tick one box per bank) ASSOCIATED FEATURES (Tick one box per feature)
None ☐ Left ☐ Right ☐ None ☐ Present ☐ None ☐ Present ☐
Isolated/scattered ☐ Overhanging boughs ☐
Regularly spaced, single ☐ Exposed bankside roots ☐
Occasional clumps ☐ Underwater tree roots ☐
Semi-continuous ☐ Fallen trees ☐
Continuous ☐ Coarse woody debris ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☒ Marginal deadwater - slack ☒
Cascade(s) - chute ☒ Exposed bedrock ☒
Step/pool sequence ☒ Exposed boulders ☒
Rapid(s) - white-water ☒ Unvegetated mid-channel bars ☒
Riffle-pool sequence ☒ Vegetated mid-channel bars ☒
Rust(s) - disturbed, rippled ☒ Mature island(s) ☒
Boil(s) - upwellings ☒ Unvegetated side bars ☒
Glide(s) - smooth, no eddies ☒ Vegetated side bars ☒

Have you completed your squares from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Backstop width (m) 10 RIGHT BANK
Backstop height (m) 1 Water width (m) 6 Backstop height (m) 0.6
Embanked height (m) Water depth (m) 0.35 Embanked height (m)
If trawl line lower than backstop break in slope, indicate: height (m) width (m)
Bed material at site: unconsolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (if only)

M ARTIFICIAL FEATURES (Use [H] indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drudging ☐ moving ☐ Other? State:
wood-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)
Waterfalls > 2m high ☐ Artificial open water ☒ Bog ☐ Other (state):
Resisted/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use [H] indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: Nettles

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive notes: Evidence of complete resectioning from the right bank but not recent from dredging. May account for absence of riffles later.
Plants of note:
Major conservation features:
Incidental observations (animals etc): Kingfisher
IF E2 checked and same by letter B filtered

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:
SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB
Envelopes supplied! Post completed form for processing. Labels supplied.

NRA RIVER HABITAT SURVEY 1995: 10 SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3912

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TL693445 River: Stour Brook / Stour

Date 12.15.1995 Time: 16.00 Surveyor name: Mark H. H. H.

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state (tick one box)

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/other features

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 2 Unvegetated point bars

Pools 1 Vegetated point bars

IF E - Mod - See notes (tick one box)

National River Authority

JAMES, Richard named initial details

NRA RIVER HABITAT SURVEY 1995: 10 SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream end ☐ of site ☒ (tick one)

LEFT BANK

Bank material (fine) FA FA FA FA FA FA FA FA FA FA

Bank modification (fine) NO NO NO NO NO NO NO NO NO NO

Bank features (fine) SC SC SC SC SC SC SC SC SC SC

CHANNEL NOTE Use the scale of 1-10

Channel substrate (fine) SA SA SA SA SA SA SA SA SA SA

Flow type (fine) SA SA SA SA SA SA SA SA SA SA

Channel modification (fine) NO NO NO NO NO NO NO NO NO NO

Channel features (fine) NO NO NO NO NO NO NO NO NO NO

RIGHT BANK

Bank material (fine) FA FA FA FA FA FA FA FA FA FA

Bank modification (fine) NO NO NO NO NO NO NO NO NO NO

Bank features (fine) SC SC SC SC SC SC SC SC SC SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: choose one from FL, CP, HD, SC, RP, VL, OW, IG, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) RP RP RP RP RP RP RP RP RP RP

LEFT BANK-TOP (structure within 1m) BAUSC BS U U BV U U U U U U

LEFT BANK FACE (structure) BAUSC U U U U U U U U U U

RIGHT BANK FACE (structure) BAUSC BS BS BS BS BS BS BS BS BS BS

RIGHT BANK-TOP (structure within 1m) BAUSC S S S S S S S S S S

LAND USE WITHIN 5m OF BANKTOP (R) SC SC SC SC SC SC SC SC SC SC

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry, use E (≥ 33% area) or F (greater))

NONE (tick one)

Emergent broad-leaved herbs

Emergent narrow-leaved herbs

Emergent reeds

Flowering reeds

Free-floating

Amphibious

Submerged - broad-leaved

Submerged - fine-leaved

Flowering, algae

Use and 'catch-all' columns for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use tick in boxes of growing or present vegetation + species if possible of note peak is Polypodium polypodioides

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

Brook/estuarine woodland (BL) E Wetland (eg bog, marsh, fen) (WL)

Coniferous plantation (CP) Open water (OW)

Moorland/heath (MH) Improved/semi-improved grass (IG)

Scrub (SC) Tilled land (TL)

Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (≥ 33% banklength) or F if present)

Natural/unmodified L R Artificial/unmodified L R

Vertical/undercut E F Resectioned

Vertical + toe E F Reinforced - whole bank

Steep (> 45°) E F Reinforced - top only

Grass E F Reinforced - toe only

Composite Artificial two-stage

Peached

Embanked

Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

Left Right

None ☐ ☐ None ☐ ☐

Isolated/scattered ☐ ☐ Shading of channel ☐ ☐

Regularly spaced, single ☐ ☐ Overhanging boughs ☐ ☐

Occasional clumps ☐ ☐ Exposed bankside roots ☐ ☐

Semi-continuous ☐ ☐ Underwater tree roots ☐ ☐

Continuous ☐ ☐ Fallen trees ☐ ☐

Coarse woody debris ☐ ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None Present E

Waterfall(s) - free-fall ☐ ☐ Marginal deadwater - slack ☐ ☐

Cascade(s) - chute ☐ ☐ Exposed bedrock ☐ ☐

Step/pool sequence ☐ ☐ Exposed boulders ☐ ☐

Rap(s) - whitewater ☐ ☐ Unvegetated mid-channel bars ☐ ☐

Riffle-pool sequence ☐ ☐ Vegetated mid-channel bars ☐ ☐

Rune(s) - disturbed, rippled ☐ ☐ Mature island(s) ☐ ☐

Bolt(s) - upwelling ☐ ☐ Unvegetated side bars ☐ ☐

Glide(s) - smooth, no eddies ☐ ☐ Vegetated side bars ☐ ☐

Have you completed your sweep for this week? (Send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 3 RIGHT BANK

Banktop height (m) 1 Water width (m) 25 Banktop height (m) 1

Embanked height (m) 0.2 Water depth (m) 0.2 Embanked height (m)

If trawl line lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement in: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Ponds =

Footbridges = Roadbridges = Other =

Is water level controlled by weirs/dams downstream? No ☐ Part of site ☐ Most/best of site ☒

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State

weed-cutting ☐ enhancement ☒

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)

Braided/wide channels ☐ Artificial open water ☐ Bog ☐ Other (state)

Debris dams ☐ Natural open water ☐ Carr ☐

Leafy debris ☐ Water meadow ☐ Marsh ☐

Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10 then indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Straight channel, urban debris, woodland on right bank

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

IF E - Mod - See notes (tick one box)

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WARHAM, BH20 6BB

Envelopes supplied! Post completed form for printing - labels supplied separately

DATE, hour	passed	validated	date
------------	--------	-----------	------

3913

Have you completed your expenses ⁵¹¹⁵ for this week? (send to FND for signature!)

PLANTS - Use net & herbs of leaves of Pota, Potomogon
+ species if possible of Pota, Pota, Potomogon, Potomogon

NRA RIVER QUANTITAT SURVEY, 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS 10 m be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK		Banktop width (m)	10.5	RIGHT BANK	
Banktop height (m)	2	Water width (m)	5	Banktop height (m)	2
Embankment height (m)		Water depth (m)	0.2	Embankment height (m)	

If shoreline lower than banktop break in slope, indicate: height (m) _____ width(m) _____

Bed material at site is: consolidated (temp) ☐ unconsolidated (poor) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) _____

M. ARTIFICIAL FEATURES (Use 1 for Indicate total number, tick "none" where appropriate)

None <input checked="" type="checkbox"/>	Number of	Culverts =	Weirs =	Outfalls =	Fords =
		Footbridges =	Roofbridges =	Other =	

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drudging <input type="checkbox"/>	mowing <input type="checkbox"/>	Other? State _____
weed-cutting <input type="checkbox"/>	enhancement <input type="checkbox"/>	

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)		
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Brig <input type="checkbox"/>	Other (state) _____
Brasided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Curr <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fra <input type="checkbox"/>	Flurb <input type="checkbox"/>	

P. CROOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1 for 1, 2 for 2, etc. (The Sentence))

Giant Hogweed <input type="checkbox"/>	Himalayan Balsam <input type="checkbox"/>	Japanese Knotweed <input type="checkbox"/>	Other? State _____
			Nettle

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Deeply cut channel going through tilled arable fields

Plots of note:

Major observation features: Tree planting

Major impacts: evidence of high flows in winter

Incidental observations (animals etc): Two kingfishers

IF 2 channels complete, tick ☒ If 1 ticked ☐

S. DISEASED ALDERS (Tick one box)

None <input checked="" type="checkbox"/>	Present <input type="checkbox"/>	Extensive <input type="checkbox"/>	Other diseased trees? State _____
--	----------------------------------	------------------------------------	-----------------------------------

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Evergreen washed 1. Port completed time for pouring. Labels washed after

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3914
 Mid-section grid reference of network site (if different from designated location):
 COMPLETE THIS FOLLOWING FOR ALL SITES
 Grid Reference: TL868459 River: Chad Brock/Skour
 Date 16.5.1995 Time: 12:00 Surveyor name: J.C. Malt 40 N6 FWD
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Photographs: general character? No ☐ Yes ☒ (tick one box) with site No on board!
 Site surveyed from: left bank ☒ right bank ☐ Two picks taken ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorgo ☐ asymmetrical floodplain
☐ concave/bowl + notes/other diagrams

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 2 Unvegetated point bars
 Pools 1 Vegetated point bars

IFE - m.d. - see over page 2

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (J) Mark presence of feature (F)

Spot check 1 is at: upstream end of site (Tick one) 1 2 3 4 5 6 7 8 9 10

LEFT BANK looking downstream

Bank material (fine) FA FA FA FA FA FA FA FA FA FA
 Bank modification(s) NO NO NO NO NO NO NO NO NO NO
 Bank features(s) VS SC SC NO SC NO NO NO NO NO
 Channel substrate (fine) CP CP CP CP CP CP CP CP CP CP
 Flow type (fine) UN UN UN UN UN UN UN UN UN UN
 Channel modification(s) NO NO NO NO NO NO NO NO NO NO
 Channel features(s) NO NO NO NO NO NO NO NO NO NO

RIGHT BANK looking upstream

Bank material (fine) FA FA FA FA FA FA FA FA FA FA
 Bank modification(s) NO NO NO NO NO NO NO NO NO NO
 Bank features(s) NO NO NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide section)

Land use: choose one from BL, CP, MO, SC, ST, WL, OW, IS, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BL/SC S U U U U U U U S S
 LEFT BANK FACE (structure) BL/SC S U U U U U U U U U
 RIGHT BANK FACE (structure) BL/SC U U U S S U U S U U
 RIGHT BANK-TOP (structure within 1m) BL/SC U S S S S U S S S U
 LAND USE WITHIN 5m OF BANK TOP (R) SC SC SC SC SC SC SC SC SC SC

G. CHANNEL VEGETATION TYPES (all in relevant boxes with one entry: use B (to 33% area) or F (percent))

NONE (tick) ☒ Plant growth (batteries)
 Emergent broad-leaved herbs ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒
 Emergent reeds/scrub ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒
 Floating-leaved (ponds) ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒
 Free-floating ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒
 Amphibious ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒
 Submerged - broad-leaved ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒
 Submerged fine-leaved ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒
 Filamentous algae ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use tick labels of groups to 10m, 30m, 100m
 + species if possible eg Potamogeton pectinatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or F (if percent))

BL Broadleaf/deciduous woodland (BL)
 CP Coniferous plantation (CP)
 MO Moorland/heath (MO)
 SC Scrub (SC)
 ST Tilled land (ST)
 SU Suburban/urban development (SU)

I. BANK PROFILES (Use E (to 33% banklength) or F (if percent))

Natural/unmodified L R Artificial/modified L R
 Vertical/horizontal ☒ ☒ Reinforced - whole bank ☒ ☒
 Vertical + toe ☒ ☒ Reinforced - top only ☒ ☒
 Steep (> 45°) ☒ ☒ Reinforced - toe only ☒ ☒
 Gentle ☒ ☒ Artificial two-stage ☒ ☒
 Composite ☒ ☒ Pooled ☒ ☒
 Use this space to draw profile if different from above, after making predominant last

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank) Left Right WIDE E > 33% None Present E
 Isolated/scattered ☒ ☒ Shading of channel ☒ ☒
 Regularly spaced, single ☒ ☒ Overhanging boughs ☒ ☒
 Occasional clumps ☒ ☒ Exposed bankside roots ☒ ☒
 Semi-continuous ☒ ☒ Underwater tree roots ☒ ☒
 Continuous ☒ ☒ Fallen trees ☒ ☒
 Coarse woody debris ☒ ☒

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free fall ☒ ☒ Marginal deadwater - slack ☒ ☒
 Cascade(s) - chute ☒ ☒ Exposed bedrock ☒ ☒
 Step/pool sequence ☒ ☒ Exposed boulders ☒ ☒
 Rapid(s) - whitewater ☒ ☒ Unvegetated mid-channel bars ☒ ☒
 Riffle-pool sequence ☒ ☒ Vegetated mid-channel bars ☒ ☒
 Run(s) - disturbed, rippled ☒ ☒ Mature island(s) ☒ ☒
 Boil(s) - upwellings ☒ ☒ Unvegetated side bars ☒ ☒
 Glide(s) - smooth, no eddies ☒ ☒ Vegetated side bars ☒ ☒

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Right BANK
 Backtop width (m) 9.5
 Backtop height (m) 1.5 Water width (m) 4 Banktop height (m) 15
 Embankment height (m) Water depth (m) 0.1 Embankment height (m)

If trawl line lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
 Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth of site ☒

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☒ moving ☒ Other? State:

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL: Waterfalls > 2m high ☐ Artificial open water ☐ Bog ☐ Other (state):

Floodplain (50m corridor): Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Pea ☐ Flots ☐

P. CHOICE CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/11 indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: River of two types, a pooled, domed section upstream, height difference of 2m over weir, semi-natural stream channel through urban park area.
 Plants of note:
 Major conservation features:
 Major impacts: recent dredging, weir/dam
 Incidental observations (animals etc):

IFE - m.d. - see over page 2

S. DISSEMINATED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STORKE, WAREHAM, BH20 6BB

Have you completed your reports from this week? (send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: IFE P-1-A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3915
Mid-section grid reference of network site if different from designated location:
COMPLETE THIS FOLLOWING FOR ALL SITES
Grid Reference: TL 985480 River: BRETT STARR
Date 25.11.1995 Time: 10.10 Surveyor name: J.B. J.W. P.H. I.A.K. T.G.W.
Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state for bank, watercourse
Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Photographs: general character? No ☐ Yes ☐ (tick one box) Site by name!
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + NOTES/make DRAWING

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles Unvegetated point bars
Pools Vegetated point bars
IFE-P-1-A - See also P-1-B

IFES, record
P-1-B, 12.75

named

valley

deliberate

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream end of site (tick one box) 1 2 3 4 5 6 7 8 9 10
LEFT BANK (looking downstream) Bank material (fine) NO NO NO NO NO NO NO NO NO NO
Bank modification(s) NO NO NO NO NO NO NO NO NO NO
Bank features(s) NO NO NO NO NO NO NO NO NO NO
CHANNEL NOTE: Use same scale as above for all spot checks
Channel substrate (fine) NO NO NO NO NO NO NO NO NO NO
Flow type (fine) NO NO NO NO NO NO NO NO NO NO
Channel modification(s) NO NO NO NO NO NO NO NO NO NO
Channel features(s) NO NO NO NO NO NO NO NO NO NO
RIGHT BANK (looking downstream) Bank material (fine) NO NO NO NO NO NO NO NO NO NO
Bank modification(s) NO NO NO NO NO NO NO NO NO NO
Bank features(s) NO NO NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide banktop)

Land use: choose one from PL, CP, SH, SC, RP, RL, OW, NG, RL, RU
LAND USE WITHIN 5m OF BANKTOP (L) 1 2 3 4 5 6 7 8 9 10
LEFT BANK-TOP (structure within 1m) BASIC 1 2 3 4 5 6 7 8 9 10
LEFT BANK FACE (structure) BASIC 1 2 3 4 5 6 7 8 9 10
RIGHT BANK FACE (structure) BASIC 1 2 3 4 5 6 7 8 9 10
RIGHT BANK-TOP (structure within 1m) BASIC 1 2 3 4 5 6 7 8 9 10
LAND USE WITHIN 5m OF BANK TOP (R) 1 2 3 4 5 6 7 8 9 10

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry; use R (to 1% area) or A (present))

NONE tick Plant genus (tick one box)
Lupinus ☒
Stachys ☒
Mugil ☒
Calla ☒
Free-floating ☐
Amphibious ☐
Submerged broad-leaved ☐
Submerged fine-leaved ☐
Filamentous algae ☐

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or A) ☐

PLANT S - Use tick in boxes of genus to indicate site vegetation + species if possible of Plant part + Potamogeton part

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (to 1% banklength) or A if present)

Broadleaved woodland (BL) Wetland (eg bog, marsh, fen) (WJ)
Coniferous plantation (CP) Open water (OW)
Moorsland/heath (SH) Improved/semi-improved grass (IG)
Scrub (SC) Tilled land (TL)
Rough pasture (RP) Suburban/urban development (SU)

I. BANK PROFILES (Use E (to 1% banklength) or A if present)

Natural/unmodified L R Artificial/modified L R
Vertical/undercut 2 2 Resectioned
Vertical + toe 2 Reinforced - whole bank
Steep (>45°) F E Reinforced - top only
Gentle Reinforced - toe only
Composite Artificial two-stage
Use this space to draw profile if different from above, after consulting predominant box

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank) ASSOCIATED FEATURES (Tick one box per feature)
None Left Right NOTES E to 1% None Present E NOTES
Isolated/scattered ☐ ☐ Shading of channel ☐ ☒
Regularly spaced, single ☐ ☐ Overhanging boughs ☐ ☐
Occasional clumps ☒ ☐ Exposed bankside roots ☐ ☐
Semi-coniferous ☐ ☐ Underwater tree roots ☐ ☐
Coniferous ☐ ☐ Fallen trees ☐ ☐
Coarse woody debris ☐ ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None Present E None Present E NOTES
Waterfall(s) - freefall ☒ ☐ Marginal deadwater - slack ☐ ☐
Cascade(s) - chute ☒ ☐ Exposed bedrock ☐ ☐
Step/pool sequence ☒ ☐ Exposed boulders ☐ ☐
Rapid(s) - whitewater ☒ ☐ Unvegetated mid-channel bars ☐ ☐
Riffle-pool sequence ☒ ☐ Vegetated mid-channel bars ☐ ☐
Run(s) - disturbed, rippled ☒ ☐ Mature island(s) ☐ ☐
Scill(s) - spilling ☒ ☐ Unvegetated side bars ☐ ☐
Glides(s) - smooth, no eddies ☒ ☐ Vegetated side bars ☐ ☐

Have you completed your squares from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 7 Banktop height (m) 1
Banktop height (m) 1 Water width (m) 7 Banktop height (m) 1
Banktop height (m) 1 Water depth (m) 0.9 Banktop height (m) 1
If instable lower than banktop break in slope, indicate height (m) width (m)
Bed material at site: consolidated (compact) ☐ - unconsolidated (loose) ☒ unknown ☐
Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = 1 Spillways = 1
Footbridges = 2 Roadbridges = 0 Other = as per the present bank
Is water level controlled by weirs/dams downstream? No ☐ Part of site ☒ Embankment ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other 7 State
weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) ☐
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 35% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11 indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other 7 State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Paved behind weir, winding river through rough pasture and suburban area
Place of note:
Major conservation features:
Major impacts: pond construction beside river, taking water from river
Incidental observations (animals etc):
IFE 2 checked only by the FWD ☒
SPECIAL DISEASE ALDERS (Tick one box) None ☒ Present ☐ Extensive ☐ Other disease trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB
Envelopes supplied! Post completed form for posting - labels supplied

NRA RIVER HABITAT SURVEY 1995: IFB, P.A.A. Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION:

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS:

Reference network site number: 3916
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: TMO174 38 River: BOTT STOUR
Date 25.1.1995 Time: 11.44 Surveyor name: G. M. H. 16 AK 78
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box) Site No. on map:
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM: (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes on diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS: (Use [H] then indicate total number)

Riffles 5 Unvegetated point bars
Pools 1 Vegetated point bars
IFE total = 6 (see also 10012)

National Rivers Authority

Notes: heard
P.A.A. 16

16 AK 78

16 AK 78

16 AK 78

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES: (to be assessed across channel within a 1m wide zone) (J) Min. 6, max. 10 features (F)

Spot check 1 is at upstream end of downstream (J) of site (F) of site

LEFT BANK: looking downstream

Bank material (fine) RE, SO, CO, GL, EA, FL, CL
Bank modification(s) NO, RI, AL, PC, BA, EM
Bank features(s) KR, NO, EC, SC, FR, VP, SR, VS
CHANNEL NOTE: Use scale from 1 to 10 to assess degree of bank erosion
Channel substrate (fine) RE, SO, CO, GL, EA, FL, CL
Flow type (fine) IF, CH, SW, UP, CF, SF, UF, SH, SP, SD
Channel modification(s) KR, NO, RI, AL, PC, BA, EM
Channel features(s) NO, RI, AL, PC, BA, EM
RIGHT BANK: looking downstream
Bank material (fine) RE, SO, CO, GL, EA, FL, CL
Bank modification(s) NO, RI, AL, PC, BA, EM
Bank features(s) KR, NO, EC, SC, FR, VP, SR, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE: (to be assessed over a 10m wide banktop)

Land use: choose one from BL, CF, NH, SC, SP, VL, OV, IG, TL, TU
LAND USE WITHIN 5m OF BANKTOP (L) LP, RP, SC, SC, SC, SC, TL, TL, TL
LEFT BANK-TOP (structure within 2m) BAUSK
LEFT BANK FACE (structure) BAUSK
RIGHT BANK FACE (structure) BAUSK
RIGHT BANK-TOP (structure within 2m) BAUSK
LAND USE WITHIN 5m OF BANK TOP (R) LP, RP, SC, SC, SC, SC, TL, TL, TL

G CHANNEL VEGETATION TYPES: (to be assessed based on one survey: use E (to 31% area) or F (percent))

NONE (tick) Plant genera (first row)
Leverwort/ mosses/ lichens
Emergent broad-leaved herbs
Emergent rush/ sedges/ forbs
Floating-leaved (rooted)
Free-floating
Amphibious
Submerged - broad-leaved
Submerged fine-leaved
Filament, algae

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

Notes: Use 16 to 100 of genus of plant, etc. etc. etc.
+ species of possible of both feet of plant, etc. etc. etc.

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP: (Use E (to 31% banklength) or F if present)

Broadleaf/mixed woodland (BL)
Coniferous plantation (CP)
Moorland/heath (MH)
Scrub (SC)
Rough pasture (RP)
Tilled land (TL)
Suburban/urban development (SU)

I BANK PROFILES: (Use E (to 31% banklength) or F if present)

Natural/unmodified
Vertical/horizontal
Vertical + toe
Steep (>45°)
Gentle
Composite
Artificial/modified
Recessed
Reinforced - whole bank
Reinforced - toe only
Reinforced - toe and stage
Pierced
Embanked
Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)
None
Isolated/scattered
Regularly spaced, single
Occasional clumps
Semi-continuous
Continuous

ASSOCIATED FEATURES (Tick one box per feature)
None Present E
Shading of channel
Overhanging boughs
Exposed bankside roots
Underwater tree roots
Fallen trees
Coarse woody debris

K EXTENT OF CHANNEL FEATURES: (Tick one box per feature)

Waterfalls - free-fall
Cascades - close
Step-pool sequence
Rapids - whitewater
Riffle-pool sequence
Runs - smooth, rippled
Boils - upwellings
Glides - smooth, no eddies

Marginal deadwater - slack
Exposed bedrock
Exposed boulders
Unvegetated mid-channel bars
Vegetated mid-channel bars
Mature island(s)
Unvegetated side bars
Vegetated side bars

Have you completed your squares from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS: (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK
Banktop width (m) 6
Banktop height (m) 0.25
Embankment height (m) 0.1
If banktop lower than banktop break in slope, indicate: height (m) 0.25, width (m) 0.25, 1
Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES: (Use [H] then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = 2, Ferds =
Footbridges = Roadbridges = Other =
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Full/whole of site ☐
N EVIDENCE OF RECENT MANAGEMENT: (Tick appropriate box)

dredging ☐ moving ☐ Other? State:
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST: (Tick appropriate box(es))

CHANNEL
Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)
Artificial open water ☐ Bog ☐ Other (state):
Eroded/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL: (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES: (Use E or F, tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: Nettle

R BRIEF DESCRIPTION: (Use prompt and key words at appropriate)

Descriptive features: fast-flowing, straight, trout stream, coarse substrate forming
Plants of note: several strong side and mid channel bars
Major conservation features: varied channel features
Major impacts: recent a. land clearance
Incidental observations (animals etc): 1. grey heron, 1. grey wagtail

S DISEASED ALBERS: (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing, labels supplied.

NRA RIVER HABITAT SURVEY 1995 IFE P.A.A. Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3918
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: TM274421 River: Mill/Deben
 Date 17.1.1995 Time: 12:45 Surveyor name: G.C. M.W. NO. 16 FWD
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: with 60% on!
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Photographs: general character? No ☐ Yes ☒ (tick one box) with 60% on!
 Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + NOTES/extra DIAGRAM

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars
 Pools Vegetated point bars
 IFE - mod - see over page 3

National Rivers Authority

DATES: Record framed initial checks

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WZ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (to 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predominant box			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	WATER	None	Present	E	Notes
None	<input type="checkbox"/>	<input type="checkbox"/>					
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
Regularly spaced, single	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>					
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>					
Continuous	<input type="checkbox"/>	<input type="checkbox"/>					

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	Notes
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Cascades(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Ru(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Glides(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>		

L ASSOCIATED FEATURES (Tick one box per feature)

	None	Present	E	Notes
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

Have you completed your responses from this week? (send to FWD for signature!)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone) (tick one)

Spot check 1 is at: upstream end of site (tick one)

	1	2	3	4	5	6	7	8	9	10	Field Ass.
LEFT BANK: looking downstream											
Bank material (fine)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	SC	NO	NO	NO	SC	VS	VS	VS	VS	NO	
CHANNEL NOTE: Use same scale as above	↓ reference										
Channel substrate (fine)	SI	SA	SA	SA	SI	SA	SI	SA	SA	SI	
Flow type (fine)	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK: looking downstream											
Bank material (fine)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	SC	FC	VS	VS	NO	FC	VS	VS	VS	NO	

F BANTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, RP, OW, IG, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m)	BAUSAC	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	BAUSAC	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	BAUSAC	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m)	BAUSAC	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use B (to 33% area) or / (if present))

NONE (tick) Plant genera (tick one)

	1	2	3	4	5	6	7	8	9	10
Liverworts										
Mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/scrub/rushes										
Flowering/leaved (deciduous)										
Free-floating										
Amphibious										
Submerged - broad-leaved										
Submerged fine-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

PLANTS - Use 1st initials of genus & species if possible of Potamogeton perfoliatus

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	0.4	0.4
Embanked height (m)	0.35	0.4
If trashline lower than banktop break in slope, indicate: height (m) width (m)		
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>		
Location of measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)		

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = 4 Fords = 1
 Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: None
 weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Carr
	Marsh
	Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: Nettle

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Streamed channel receiving high discharge from sewage. (70% water low flow)

Plants of note:

Major conservation features:

Major impacts: Sewage Works

Incidental observations (animals etc):

IFE 2 channel survey by John P. Fildes

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: None

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - labels supplied & stamped

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source(km) _____ Significant tributary? _____ Navigation? _____

B. FIELD SURVEY DETAILS

Reference network site number: 3919

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TM355475 River: Tany/Aide

Date 4.6.1995 Time: 13.00 Surveyor name: John M. H. & A. K. T. M.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) Site No. 1

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☒ asymmetrical floodplain

☐ concave/bowl ☐ Notes: Notes on channel

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles _____ Unvegetated point bars _____

Pools _____ Vegetated point bars _____

IFE = Ind. = See note 3 (p. 13)

DATE: 4.6.1995 NAME: John M. H. & A. K. T. M.

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles (1-11) _____ Pools _____ Unvegetated point bars _____ Vegetated point bars _____

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at upstream end of site ☐ of site ☐ (tick one)

	1	2	3	4	5	6	7	8	9	10	11
LEFT BANK (looking downstream)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Bank material (fine)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE - Use the 10m grid to indicate location of features	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Channel substrate (fine)	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Flow type (fine)	NY	NY	NY	NY	NY	NY	NY	NY	NY	NY	NY
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (looking downstream)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Bank material (fine)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, MH, SC, SP, SL, OP, NO, FL, IV

	SC	SC	BO	BO	LI	LI	LI	LI	LI	LI	LI
LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	BO	BO	LI	LI	LI	LI	LI	LI	LI
LEFT BANK-TOP structure within 1m	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP structure within 1m	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 10% area) or V (green))

	None	Plant green (bare)	Emergent broad-leaved	Emergent narrow-leaved	Emergent reeds/rushes	Emergent sedge	Emergent grass	Emergent other	Free-floating	Amphibious	Submerged broad-leaved	Submerged fine-leaved	Filamentous algae
None													
Plant green (bare)													
Emergent broad-leaved													
Emergent narrow-leaved													
Emergent reeds/rushes													
Emergent sedge													
Emergent grass													
Emergent other													
Free-floating													
Amphibious													
Submerged broad-leaved													
Submerged fine-leaved													
Filamentous algae													

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

PLANTS - Use list of plants of groups of plants, etc. in vegetation + species of plants of plants, etc. in vegetation

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or V if present)

	L	R	L	R
Broadleaved woodland (BL)				
Coniferous plantation (CP)	E			
Moorland/heath (MH)				
Scrub (SC)		E		
Rough pasture (RP)				
Suburban/urban development (SU)				

I. BANK PROFILES (Use E (in 33% banklength) or V if present)

	L	R	L	R
Natural/unmodified				
Vertical/undercut				
Vertical + toe				
Steep (>45°)				
Grass				
Composites				
Perched				
Embanked				
Set-back embankments				

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	WATER	Notes
None				
Isolated/scattered				
Regularly spaced, single				
Occasional clumps				
Semi-coalescent				
Coalescent				

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes
Waterfall(s) - freefall			
Cascade(s) - chute			
Step-pool sequences			
Rapid(s) - white-water			
Riffle-pool sequences			
Run(s) - disturbed, rippled			
Boil(s) - upwellings			
Glides(s) - smooth, no eddies			

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	2.25	
Banktop height (m)	1.75	0.75
Embanked height (m)	0.20	

M. ARTIFICIAL FEATURES (Use 1-11 then indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State: Channel bank

cut-culling ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	Other (state)
Waterfalls > 5m high		
Brick/side channels		
Debris dams		
Leafy debris		
Artificial open water		
Natural open water		
Water meadow		
Fen		
Bog		
Carr		
Marsh		
Flats		

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11 then indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Drainage ditch running through forestry plantation. Open water extraction from ditch to feed artificial pond

Major conservation features: _____

Major impacts: Forest runoff

Incidental observations (animals etc): _____









S. DISEASED ALGAE (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trout? State: _____

COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for postage - labels supplied

Have you completed your entries for this week? (and to FWD for signature!)

A BACKGROUND MAP-BASED INFORMATION			
Altitude(m)	Slope (m/km)	Flow category (1-10)	
Solid geology code	Drift geology code	Platform category	
Distance from source(km)	Significant tributaries	Navigation	
B FIELD SURVEY DETAILS			
Reference network site number: 3920			
Mid-section grid reference of network site if different from designated location:			
COMPLETE THE FOLLOWING FOR ALL SITES			
Grid Reference: SH 995352		River: GWAN	
Date 16/5/1995 Time: 16:20		Surveyor name (write or add) G. C. M. H. 16 AK 70m	
Adverse conditions affecting survey?		No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state	
Bed of river visible?		No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input checked="" type="checkbox"/> (tick one box)	
Photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (tick one box)		Special features <input type="checkbox"/> General features <input checked="" type="checkbox"/> (tick one box)	
Site surveyed from: left bank <input checked="" type="checkbox"/> right bank <input type="checkbox"/> channel <input checked="" type="checkbox"/> (tick as appropriate)		Flow direction <input checked="" type="checkbox"/> left to right <input type="checkbox"/> right to left <input type="checkbox"/> (tick as appropriate)	
C PREDOMINANT VALLEY FORM (tick one box only)			
	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input checked="" type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl	 Steep bank with narrow flood plain	
D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use left then indicate total number)			
Riffles 9	Unvegetated point bars 1		
Pools 0	Vegetated point bars 0		

DATES. Recvd
2-28-72

[illegible]

II LAND USE WITHIN 50m of BANTOP Use 6 (≥ 33% banklength) or ✓ if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (H/H)			Improved/semi-improved grass (IG)		
Scrub (SC)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

1 BANK PROFILES Use 6 (≥ 33% banklength) or ✓ if present

	L	R		L	R
Natural/unmodified			Artificially modified		
Vertical/undercut		<input checked="" type="checkbox"/>	Reexcavated		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Grate		<input checked="" type="checkbox"/>	Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predominant box					
			Freehold		
			Embanked		
			Set-back embankments		

2 EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)				ASSOCIATED FEATURES (Tick one box per feature)			
	Left	Right	NOTES		None	Present	NOTES
None	<input type="checkbox"/>	<input type="checkbox"/>		Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

3 EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	NOTES		None	Present	NOTES
Waterfall(s) - freefall	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Marginal deadwater - silt	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Step/pool sequences	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Rap(s) - whitewater	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Riffle/pool sequences	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Boil(s) - swellings	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Bank top width (m)	13.00	RIGHT BANK	
Banktop height (m)	1.0	Water width (m)	11.50	Banktop height (m)	0.60
Embarked height (m)		Water depth (m)	0.12	Embarked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) 0.60 width(m) 15.50

Bed material at site is: consolidated (temp) ☒ unconsolidated (soos) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ pick one box Slope (IFE only) 6%

M. ARTIFICIAL FEATURES (Use 1 to indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = ... Fords =
 Footbridges = Roadbridges = Other =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other ? State
 weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL FLOODPLAIN (50m corridor)

Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state)
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	
Debris dams <input checked="" type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input checked="" type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1 to 5)

Glant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentences: Boulder stream, gravel present between boulders
 Plants of note: Low cover in A1 not typical. Flowing through narrow
 bank leafy woodlands. Although much weed but full of life.

Major conservation features:

Major impacts:

Incidental observations (animals etc):

IFE 2 chemical samples taken ☒ filtered ☒

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other disease trees? State

Envelopes supplied! Post completed films for processing - labels supplied + stamps

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3921

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: 137

Date: 1.6.1995 Time: 13:20 Surveyor name: LR

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☒ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11, then indicate total number)

Riffles (4) Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P4312.1L

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material 1 = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ <i>EA, EO, CO, GL, EA, F, CL, CC, SP, RP, GA, BR, BR, BW</i>	EA	EA	EA	EA	EA	BR	BR	BR	BR	BR
Bank modification(s) <i>NO, BA, LF, CC, BA, EM</i>	NO	NO	NO	NO	NO	BA	BA	BA	BA	BA
Bank feature(s) <i>NE, NO, EC, CC, RP, RP, RP</i>	EC	EC	EC	EC	EC	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate ¹ <i>NE, BA, CO, GP, GA, BA, CL, AR</i>	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type ¹ <i>FF, CL, BW, UW, CF, RP, RP, RP, RP</i>	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
Channel modification(s) <i>NE, NO, CC, BA, BA, BA</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <i>NO, BA, CC, RP, RP, RP</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ <i>EA, EO, CO, GL, EA, F, CL, CC, SP, RP, GA, BR, BR, BW</i>	EA	EA	EA	EA	EA	BR	BR	BR	BR	BR
Bank modification(s) <i>NO, BA, LF, CC, BA, EM</i>	NO	NO	NO	NO	NO	BA	BA	BA	BA	BA
Bank feature(s) <i>NE, NO, EC, CC, RP, RP, RP</i>	EC	EC	EC	EC	EC	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from <i>PL, CP, SH, SC, SP, WL, OW, IG, TL, BU</i>	PL	PL	PL	PL	PL	PL	PL	PL	PL	PL
LAND USE WITHIN 5m OF BANKTOP (L)	PL	PL	PL	PL	PL	PL	PL	PL	PL	PL
LEFT BANK-TOP (structure within 1m) <i>BU, SC</i>	BU	BU	BU	BU	BU	BU	BU	BU	BU	BU
LEFT BANK FACE (structure) <i>BU, SC</i>	BU	BU	BU	BU	BU	BU	BU	BU	BU	BU
RIGHT BANK FACE (structure) <i>BU, SC</i>	BU	BU	BU	BU	BU	BU	BU	BU	BU	BU
RIGHT BANK-TOP (structure within 1m) <i>BU, SC</i>	BU	BU	BU	BU	BU	BU	BU	BU	BU	BU
LAND USE WITHIN 5m OF BANK TOP (R)	PL	PL	PL	PL	PL	PL	PL	PL	PL	PL
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or I (present))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/rushes/cyperus										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (one E or I)

P4312.1L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or I if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WJ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or I if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after writing predominant box			Peached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
None	Present E	None	Present E
Isolated/scattered		Shading of channel	
Regularly spaced, single		Overhanging boughs	
Occasional clumps		Exposed bankside roots	
Semi-coalescent		Underwater tree roots	
Coalescent		Fallen trees	
		Coarse woody debris	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None		Present E		None		Present E	
Waterfall(s) - free-fall				Marginal deadwater - silt			
Cascade(s) - chute				Exposed bedrock			
Step/pool sequence				Exposed boulders			
Rapid(s) - whitewater				Unvegetated mid-channel bars			
Riffle-pool sequence				Vegetated mid-channel bars			
Run(s) - disturbed, rippled				Mature island(s)			
Boil(s) - upwellings				Unvegetated side bars			
Glide(s) - smooth, no eddies				Vegetated side bars			

P4312.1L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Backstop width (m)	13.5	RIGHT BANK	
Banktop height (m)	1.4		Banktop height (m)	1.30
Embanked height (m)			Embanked height (m)	
If trashline lower than banktop break in slope, indicate: height (m) width (m)				
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>				
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)				
M ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick "none" where appropriate)				
None <input checked="" type="checkbox"/> Number of Culverts = Weirs = Part of site <input type="checkbox"/> Most whole of site <input type="checkbox"/>				
Is water level controlled by weir/dam downstream? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>				
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)				
dredging <input type="checkbox"/> mowing <input type="checkbox"/> Other? State:				
weed-cutting <input type="checkbox"/> enhancement <input type="checkbox"/>				
O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))				
CHANNEL				
Waterfalls > 5m high <input type="checkbox"/> Artificial open water <input type="checkbox"/> Bog <input type="checkbox"/> Other (state)				
Braided/side channels <input type="checkbox"/> Natural open water <input type="checkbox"/> Carr <input type="checkbox"/>				
Debris dams <input type="checkbox"/> Water meadow <input type="checkbox"/> Marsh <input type="checkbox"/>				
Leafy debris <input type="checkbox"/> Fen <input type="checkbox"/> Flush <input type="checkbox"/>				
P CHOKED CHANNEL (Tick one box)				
Is 33% or more of the channel choked with vegetation? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				
Q NOTABLE NUISANCE PLANT SPECIES (Use 1 or E)				
Giant Hogweed <input checked="" type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input checked="" type="checkbox"/> Other? State:				
R BRIEF DESCRIPTION (Use prompts and key words as appropriate)				
Description system: Winding river through grassy + set aside with alder + silt bars + riffles lower section just up from tidal limit. Plants of note: Some water reeds, up stream could have been seen the wind. Major conservation features: vegetation. Major impacts: Birdlife vegetation - willow, alder, sycamore, maple. Incidental observations (animals etc):				
S DISEASED ALDERS (Tick one box)				
None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other diseased trees? State:				
SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB				

P4312.1L

P-9428.76P-4M28.TLP-4542A.TLP-454:8.TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source (km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3923

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Cych

Date: 1.16.1995 Time: 11.00 Surveyor name: ...

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: ...

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☒ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 6 Unvegetated point bars

Pools Vegetated point bars 1

National Rivers Authority

P4342.7L

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ <u>EA, CO, G, S, L, F, CL, CC, J, P, W, C, R, B, A, W</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) ² <u>NO, A, L, F, C, B, M, J, P</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) ³ <u>NO, A, L, F, C, B, M, J, P</u>	EC	SC	CC	EC	CC	EC	EC	NO	NO	NO
CHANNEL										
Channel substrate ⁴ <u>NO, J, B, O, CO, G, P, S, L, F, CL, CC, J, P, W, C, R, B, A, W</u>	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Flow type ⁵ <u>FF, CH, A, W, W, G, F, A, P, V, P, S, L, F, CL, CC, J, P, W, C, R, B, A, W</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s) ⁶ <u>NO, A, L, F, C, B, M, J, P</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) ⁷ <u>NO, A, L, F, C, B, M, J, P</u>	VE	NA	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ <u>EA, CO, G, S, L, F, CL, CC, J, P, W, C, R, B, A, W</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) ² <u>NO, A, L, F, C, B, M, J, P</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) ³ <u>NO, A, L, F, C, B, M, J, P</u>	EC	NO	SC	CC	CC	EC	EC	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, SU, SC, LP, RL, OW, M, TL, BU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SC	SC	SC	SC	SC	SC	SC
LEFT BANK-TOP (structure within 1m) ¹ <u>BL, SC</u>	C	C	C	C	C	C	C	C	C	C
LEFT BANK FACE (structure) ² <u>BL, SC</u>	C	C	C	C	C	C	C	C	C	C
RIGHT BANK-TOP (structure within 1m) ¹ <u>BL, SC</u>	C	C	C	C	C	C	C	C	C	C
RIGHT BANK FACE (structure) ² <u>BL, SC</u>	C	C	C	C	C	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or P (present))

VEGETATION TYPE	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)										
Liverworts/mosses/lichens ¹ <u>PP, V</u>										
Emergent broad-leaved herbs ² <u>PP, V</u>										
Emergent reeds/sedges/rushes ³ <u>PP, V</u>										
Floating-leaved (reeds)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved <u>PP, V</u>										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or P)

P4342.7L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3923

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or P if present)

LAND USE	L	R	LAND USE	L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WZ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or P if present)

BANK PROFILE	L	R	Artificial/modified	L	R
Natural/unmodified			Reinforced		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Steep (> 45°)			Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Peached		
Use this space to draw profile if different from above, after taking predominant box			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	None	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	E
None	<input checked="" type="checkbox"/>			Shading of channel	<input checked="" type="checkbox"/>		
Isolated/scattered				Overhanging boughs	<input checked="" type="checkbox"/>		
Regularly spaced, single				Exposed bankside roots	<input checked="" type="checkbox"/>		
Occasional clumps				Underwater tree roots	<input checked="" type="checkbox"/>		
Semi-continuous				Fallen trees	<input checked="" type="checkbox"/>		
Continuous				Coarse woody debris	<input checked="" type="checkbox"/>		

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

CHANNEL FEATURE	None	Present	E	CHANNEL FEATURE	None	Present	E
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>			Marginal deadwater - silt	<input checked="" type="checkbox"/>		
Cascades(s) - chute	<input checked="" type="checkbox"/>			Exposed bedrock	<input checked="" type="checkbox"/>		
Step/pool sequences	<input checked="" type="checkbox"/>			Exposed boulders	<input checked="" type="checkbox"/>		
Rapid(s) - whitewater	<input checked="" type="checkbox"/>			Unvegetated mid-channel bars	<input checked="" type="checkbox"/>		
Riffle-pool sequences	<input checked="" type="checkbox"/>			Vegetated mid-channel bars	<input checked="" type="checkbox"/>		
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>			Mature island(s)	<input checked="" type="checkbox"/>		
Bell(s) - upwellings	<input checked="" type="checkbox"/>			Unvegetated side bars	<input checked="" type="checkbox"/>		
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>			Vegetated side bars	<input checked="" type="checkbox"/>		

P4342.7L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	1.35	Banktop width (m)	9.25	RIGHT BANK	
Banktop height (m)	0.2	Water width (m)	8.1	Banktop height (m)	0.4
Embanked height (m)	0.2	Water depth (m)	0.2	Embanked height (m)	

If transect lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (1/E only)

M. ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick "none" where appropriate)

None ☒ Culverts = Weirs = Outfalls = Fords =

Featherbedges = Roadbridges = Other =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: ...

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Bricks/hide channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fra <input type="checkbox"/>
	Bog <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Fluck <input type="checkbox"/>

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/11 or E)

Giant Hogweed ☒ Himalayan Balsam ☒ Japanese Knotweed ☒ Other? State: ...

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Straight section of river through young + scrubby woodland. Dense vegetation left bank. This strip of bar on right bank.

Plants of note: Many willow alders + hawthorn.

Major conservation features: Island habitat.

Major impacts: ...

Incidental observations (animals etc): Heron. many small fish.

S. DISEASED ALDER (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: ...

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, BH20 4BB

P4342.7L

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3524

Mid-section grid reference of network site if different from designated location:

COMPLETION THIS FOLLOWING FOR ALL SITES

Grid Reference: River: Teifi

Date: 2.9.1995 Time: 12:20 Surveyor name: J.D.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles (2/3) Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P4-021 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box) R 11

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. * RE, SO, CO, GL, LF, CL, CC, SP, WF, GA, JR, RW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NO, RI, LF, CF, EM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) NO, SO, EC, SC, JR, SP, ST	EC	SC	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate * NO, JE, SO, CO, SP, GA, JR, RW	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type * TF, GL, WF, LF, CF, RP, SP, ST, NO	UP	UP	UP	UP	UP	UP	UP	UP	UP	UP
Channel modification(s) NO, NO, CV, RI, LF, DF, JO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) NO, SO, EC, SC, JR, SP, ST	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. * RE, SO, CO, GL, LF, CL, CC, SP, WF, GA, JR, RW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NO, RI, LF, CF, EM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) NO, SO, EC, SC, JR, SP, ST	EC	SC	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from SL, CP, WH, SC, RP, WL, OW, JO, TL, TB	SL	CP	WH	SC	RP	WL	OW	JO	TL	TB
LAND USE WITHIN 5m OF BANKTOP (L)	SL	CP	WH	SC	RP	WL	OW	JO	TL	TB
LEFT BANK TOP (structure within 1m) BAUSAC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BAUSAC	C	C	C	C	C	C	C	C	C	C
RIGHT BANK FACE (structure) BAUSAC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BAUSAC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SL	CP	WH	SC	RP	WL	OW	JO	TL	TB
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or P (present))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs Op(1m)										
Emergent reeds/sedges/rushes Ph(1m)										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										
Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or P)										

P4-021 TL

P8 1

SITE NO. 3524 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP Use E (≥ 33% banklength) or P if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	E
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES Use E (≥ 33% banklength) or P if present

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predetermined box			Poached		
			Embanked		
			Set back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
Left	Right	E ≥ 33%	Present E
None		Shading of channel	
Isolated/scattered		Overhanging boughs	
Regularly spaced, single		Exposed bankside roots	
Occasional clumps		Underwater tree roots	
Semi-continuous		Fallen trees	
Continuous		Coarse woody debris	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - freefall			Marginal deadwater - silt		
Cascades(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle/pool sequence			Vegetated mid-channel bars		
Run(s) - disturbed, rippled			Mature island(s)		
Boil(s) - upwellings			Unvegetated side bars		
Slide(s) - smooth, no eddies			Vegetated side bars		

P4-021 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	19.5	
Banktop height (m)	1.2	1.5
Embanked height (m)		
Water width (m)	18.5	
Water depth (m)	1.8	
Bank height (m)		
Bank width (m)		

If threshold lower than banktop break in slope, indicate: bright (m) width(m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only) 1:1

M ARTIFICIAL FEATURES (Use 1/1 indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other ? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Carr
	Marsh
	Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES Use / or E

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other ? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: large meandering river with many meanders

Plants of note: largely riparian flora, trees on river bank, silt/sand possibly deposited, mostly grazing in wetland

Major conservation features: boulders

Major impacts: Buzzard, Redpoll

S DISEASED ALBERS (Tick one box)








None ☐ Present ☒ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

P4-021 TL

A BACKGROUND MAP-BASED INFORMATION		
Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source(km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS	
Reference network site number: 3926	
Mid-section grid reference of network site if different from designated location:	
COMPLETE THE FOLLOWING FOR ALL SITES	
Grid Reference:	River: Bledwith
Date 7.16/1995	Time: 15:15
Surveyor name: T.O.	
Adverse conditions affecting survey? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state	
Bed of river visible? No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input type="checkbox"/> (tick one box)	
Duplicate photographs: general character? No <input type="checkbox"/> Yes <input type="checkbox"/> (tick one box)	
Site surveyed from: left bank <input checked="" type="checkbox"/> right bank <input type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)	

C PREDOMINANT VALLEY FORM (tick one box only)	
 <input type="checkbox"/> shallow vee	 <input type="checkbox"/> terraced valley floor
 <input checked="" type="checkbox"/> deep vee	 <input type="checkbox"/> symmetrical floodplain
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain
 <input type="checkbox"/> concave/bowl	

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)	
Riffles	Unvegetated point bars
Pools 6	Vegetated point bars

National Rivers Authority

Spot check 1 is at upstream end of stream channel and □ of site (Tick one box) CUM 1

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)											
Mt. = Material † = cut entry only	1	2	3	4	5	6	7	8	9	10	
LEFT BANK											
Mt. † FE, BO, CO, GE, A, E, C, CC, SP, RT, GA, RP, AR, BW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s) NO, PL, F, CA, BM, AT	NO	NV	I/O	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s) NE, NO, EC, SC, FR, VP, VS, VT	NO	NO	EC	NO	NO	EC	NO	NO	NO	NO	
CHANNEL											
Channel substrate † NV, BA, BO, CG, SA, SI, CL, AR	CO	CO	CO	CO	CO	EP	RP	P	P	P	
Flow type † TF, CH, BW, UW, CF, RT, VP, SP, NP, ND	CH	CH	R	R	R	R	R	R	R	R	
Channel modification(s) SE, NO, CV, SS, RL, P, JO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s) NO, BA, VP, RP, VS, TR	RO	NO	VS	RL	IS	N	N	N	N	N	
RIGHT BANK											
Mt. † RE, BO, CO, GE, A, E, C, CC, SP, RT, GA, RP, AR, BW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s) NO, PL, F, CA, BM, AT	NO	NO	I/O	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s) NE, NO, EC, SC, FR, VP, VS, VT	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
F BANKTOP LAND AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)											
Land use: choose one from FL, CP, SH, SC, RP, WL, OW, RS, IL, SW											
LAND USE WITHIN 5m OF BANKTOP (L)	L	L	R	R	R	R	R	R	R	R	
LEFT BANK-TOP (structure within 1m) RUS/C	S	S	I	S	S	S	S	S	S	S	
LEFT BANK FACE (structure) RUS/C	S	S	D	S	S	S	S	S	S	S	
RIGHT BANK FACE (structure) RUS/C	S	S	S	S	S	S	S	S	S	S	
RIGHT BANK TOP (structure within 1m) RUS/C	S	S	S	S	S	S	S	S	S	S	
LAND USE WITHIN 5m OF BANK TOP (R)	R	R	R	R	R	R	R	R	R	R	
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 35% area) or ✓ (present))											
NONE (tick as appropriate)	E			E	✓	E	F	✓	✓	✓	
Liverworts/mosses/lichens											
Emergent broad-leaved herbs ^{Scirpus sp.}			✓								
Emergent reeds/bushes/rushes ^{Juncus sp.}	✓	✓		✓							
Flowering-leaved (woody) ^{Cornus sp.}			✓								
Free-floating											
Ambiphilous											
Submerged broad-leaved											
Submerged fine-linear-leaved ^{Vallisneria spiralis}	E	E	✓	✓							
Filamentous algae						✓					

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or ✓)

II LAND USE WITHIN 50m of BACKSTOP Use E ($\geq 33\%$ banklength) or \neq if present					
	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>		Wetland (eg bog, marsh, fen) (WL)		<input checked="" type="checkbox"/>
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Poor pasture (PP)			Suburban/urban development (SU)		

I BANK PROFILES Use E ($\geq 33\%$ banklength) or \neq if present					
Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Revetted		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Grass			Reinforced - toes only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking consideration of toe			Peached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES					
TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
	Left	Right	E $\geq 33\%$	None	Present E
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)					
	None	Present E		None	Present E
Waterfall(s) - freefall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - stock	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Roar(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Slide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)			
LEFT BANK	Banktop width (m)	1.75	RIGHT BANK
Banktop height (m)	Water width (m)	1.76	Banktop height (m)
Embanked height (m)	Water depth (m)	0.17	Embanked height (m)
If trashline lower than banktop break in slope, indicate: height (m) width(m)			
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/> (pick one box) Slope (IFE only)			
M ARTIFICIAL FEATURES (Use <input type="checkbox"/> to indicate total number, tick "none" where appropriate)			
Nene <input type="checkbox"/>	Number of Culverts = Footbridges =	Weirs = Roadbridges =	Outfalls = Other =
Is water level controlled by weir/dam downstream? No <input checked="" type="checkbox"/> Part of site <input type="checkbox"/> Most/whole of site <input type="checkbox"/>			
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)			
dredging <input type="checkbox"/>	mowing <input type="checkbox"/>	Other ? State	
weed-cutting <input type="checkbox"/>	enhancement <input type="checkbox"/>		
O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)			
CHANNEL		FLOODPLAIN (50m corridor)	
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Log <input checked="" type="checkbox"/>	Other (state)
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Curr <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Mudflats <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flora <input type="checkbox"/>	
P CHOKED CHANNEL (Tick one box)			
Is 33% or more of the channel choked with vegetation? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			
O NOTABLE NUISANCE PLANT SPECIES (See # or I)			
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other ? State			
R BRIEF DESCRIPTION (Use prompts and key words as appropriate)			
Descriptive sentence: Shallow wetland with dense emergent vegetation.			
Plants of note: Common reed, Phragmites australis, Typha latifolia.			
Major conservation features: One area contains a small pool containing a few native fish.			
Major impacts: Intensive mowing regime has been successful. Recent decline in water levels.			
Incidental observations (animals etc): 1 spawning fish.			
S DISEASED ALDERS (Tick one box)			
None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other diseased trees? State			

SEND COMPLETED FORM TO HUGH DAWSON, IFR, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3928

Mid-section grid reference of network site if different from designated location:

COMPLET THE FOLLOWING FOR ALL SITES

Grid Reference: River: i61 R.M.

Date: 6.11.1995 Time: 12.00 Surveyor name: A.D.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/10 then indicate total number)

Riffles (6) Unvegetated point bars (1)

Pools (2) Vegetated point bars (11) (2)

National Rivers Authority

P4912 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end 1/10 downstream end 1/10 of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

LEFT BANK

Mat. 1 2 3 4 5 6 7 8 9 10

Bank modification(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank feature(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

CHANNEL

Channel substrate 1 2 3 4 5 6 7 8 9 10

Flow type 1 2 3 4 5 6 7 8 9 10

Channel modification(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Channel feature(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

RIGHT BANK

Mat. 1 2 3 4 5 6 7 8 9 10

Bank modification(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank feature(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CP, SW, SC, SP, VL, CW, NO, BL, BL

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) SL, SC

LEFT BANK FACE (structure) SL, SC

RIGHT BANK FACE (structure) SL, SC

RIGHT BANK-TOP (structure within 1m) SL, SC

LAND USE WITHIN 5m OF BANKTOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (in 33% area) or F (present))

NONE (tick as appropriate)

Liverworts/mosses/lichens

Emergent broad-leaved herbs

Emergent reeds/bushes/rushes

Floating-leaved (free)

Free-floating

Amphibious

Submerged broad-leaved

Submerged fine/linear-leaved

Filamentous algae

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

P4912 TL

PB 11

SITE NO. 3928 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F if present)

Broadleaf/mixed woodland (BL)

Coniferous plantation (CP)

Moorland/heath (MH)

Scrub (SC)

Rough pasture (RP)

Wetland (eg bog, marsh, fen) (WL)

Open water (OW)

Improved/semi-improved grass (IG)

Tilled land (TL)

Suburban/urban development (SU)

I BANK PROFILES (Use E (in 33% banklength) or F if present)

Natural/unmodified

Vertical/undercut

Vertical + toe

Steep (>45°)

Gentle

Composite

Artificial/modified

Reinforced

Reinforced - whole bank

Reinforced - top only

Reinforced - toe only

Artificial two-stage

Peached

Embanked

Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None

Isolated/scattered

Regularly spaced, single

Occasional clumps

Semi-continuous

Continuous

ASSOCIATED FEATURES (Tick one box per feature)

E > 33%

Shading of channel

Overhanging boughs

Exposed bankside roots

Underwater tree roots

Fallen trees

Coarse woody debris

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall

Cascade(s) - chute

Step-pool sequence

Rapid(s) - whitewater

Riffle-pool sequence

Rough(s) - disturbed, rippled

Boil(s) - upwellings

Glide(s) - smooth, no eddies

Marginal deadwater - slack

Exposed bedrock

Exposed boulders

Unvegetated mid-channel bars

Vegetated mid-channel bars

Mature island(s)

Unvegetated side bars

Vegetated side bars

P4912 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 16.5

Banktop height (m) 0.8

Banked height (m) 0.5

RIGHT BANK

Banktop width (m) 16.5

Banktop height (m) 0.8

Banked height (m) 0.5

If trashline lower than banktop break in slope, indicate: height (m) width(m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/10 then indicate total number; tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Footbridges = Roadbridges = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth/hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 2m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Bridled/rice channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Murrough active river, strongly grassy + thin banks of woodland. Alternating point bars. Large rip rap in places on bank possibly for flow diversion rather than reinforcement - got incredibly successful with strange placement of rocks. Great diversity of birdlife.

Major conservation features: None

Major impacts: None








Incidental observations (animals etc): Kingfisher + Raven.

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

P4912 TL

NRA RIVER HABITAT SURVEY 1995 *16. 2. 1. A* Page 1 of 4
A. BACKGROUND MAP-BASED INFORMATION:
 Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary? *NO* Navigation? *NO*
B. FIELD SURVEY DETAILS:
 Reference network site number: *3934*
 Mid-section grid reference of network site (if different from designated location):
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: *30335305* River: *ESCLEY BROOK*
 Date *9.1.2/1995* Time: *16:45* Surveyor name *TH. TW PH* *16 AK 700*
(tick one box) *16 160 16 16 16 16*
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Photographs: general features? No ☐ Yes ☒ (tick one box) *with Sits 1/2 on 1*
[General - rather than repeat of features] *Board*
 Site surveyed from: left bank ☒ right bank ☒ channel ☒ (tick as appropriate)
C. PREDOMINANT VALLEY FORM (tick one box only)
 ☐ shallow vee  ☐ terraced valley floor
 ☒ deep vee  ☐ symmetrical floodplain
 ☐ gorge  ☐ asymmetrical floodplain
 ☐ concave/bowl + *NOTES/extra diagram*
D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)
 Riffles *8* Unvegetated point bars *1*
 Pools *3* Vegetated point bars *0*
 E-mail - see cover sheet
 National Rivers Authority

Dateline

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles no/ft	Pools	Unvegetated point bars	Vegetated point bars											
PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (d) (check <i>per cent</i>) for each														
Spot check 1 is at upstream end of section		Site (tick one)	1	2	3	4	5	6	7	8	9	10	Notes	
LEFT BANK - looking downstream														
Bank material (fine)			EA BE EA EA EA BE CO EA BE BE											
Bank modification			NO NO NO NO NO NO NO NO NO											
Bank feature(s)			NO NO SC NO SB NO SB NO NO NO											
CHANNEL NOTE - Use small flag to indicate aspect of channel														
Channel substrate (fine)			BE BE CO CO CO CO CO CO CO											
Flow type (fine)			SM NPP RP RP RP UW RP RP RP											
Channel modification(s)			NO NO NO NO NO NO NO NO NO											
Channel feature(s)			NO NO NO NO NO RO NO RO RO RO											
RIGHT BANK - looking downstream														
Bank material (fine)			EA EA EA EA BE EA BE EA EA EA											
Bank modification(s)			NO NO NO NO NO NO NO PC NO NO											
Bank feature(s)			NO NO SC NO NO SB NO NO NO NO											
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)														
Land use: choose one from TL, CL, PL, SC, SP, SL, GW, IG, LU														
LAND USE WITHIN 5m OF BANKTOP (L)			TL TL TL TL TL TL TL TL TL											
LEFT BANK TOP (structure within 5m)			V U V U V U V U V U V U											
LEFT BANK FACE (structure)			S S S S S S V S C S											
RIGHT BANK FACE (structure)			S S C S S S C U S S											
RIGHT BANK TOP (structure within 5m)			V U V U V U V U V U V U											
LAND USE WITHIN 5m OF BANK TOP (R)			TL TL TL TL TL TL TL TL TL											
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one every one 5 (or 10) m or 1 breast)														
NONE plot			Plant genera (tick one)											
Laver/weed			✓											
Dormant brya			✓											
Emergent broad-leaved herbs			✓											
Emergent reeds			✓											
Floating-leaved (spots)			✓											
Free-floating														
Amphibious														
Submerged														
Submerged float-leaved														
Submerged float-leaved														
Filament algae			✓											

Use end "catch-all" column for types not occurring. In spot checks as well as overall assessment over 500m (use E or J)

PLANTS - Use 1st 4 labels of Greens - Pota, Pota negation
+ species if possible - Pota peat & Pota negation peatination

SITE NO. 3924 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 3

H. LAND USE WITHIN 50m OF BANKTOP Use E (≥ 33% banktop) or / if percent

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantations (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/fen-improved grass (IG)	E	E
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES Use E (≥ 33% banktop) or / if percent

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/cutbank		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	Reinforced		
Vertical + toe			Reinforced - whole bank		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
Steep (> 45°)		E / E	Reinforced - top only		
Oscille		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predetermined box			Flooded		<input checked="" type="checkbox"/>
			Embanked		
			Soft-rock embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	E	No trees
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	None	Present	E	No trees
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Step-pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Have you completed your equities for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle			
LEFT BANK	Banktop width (m)	11.80	RIGHT BANK
Banktop height (m)	Water width (m)	7.30	Banktop height (m)
Embanked height (m)	Water depth (m)		Embanked height (m)
If threshold lower than banktop break in slope, indicate:		height (m) 1.10	width(m) 9.80
Bed material at site is:		consolidated (rock) <input checked="" type="checkbox"/> unconsolidated (loess) <input type="checkbox"/> unknown <input type="checkbox"/>	
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> eddy <input type="checkbox"/> pick one box Slope (IFE only)			
M ARTIFICIAL FEATURES (Use IFF indicate total number, tick "none" where appropriate)			
None <input type="checkbox"/>	Number of Culverts =	Weirs =	Outfalls =
	Foebridges = 1	Roadbridges =	Others =
Is water level controlled by weir/dam downstream? No <input type="checkbox"/> Part of site <input checked="" type="checkbox"/> YES <input type="checkbox"/> Mouth/belt of site <input type="checkbox"/>			
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)			
dredging <input type="checkbox"/>	mowing <input type="checkbox"/>	Other ? State	
weeding <input type="checkbox"/>	embankment <input type="checkbox"/>		
O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)			
CHANNEL	FLOODPLAIN (if far center)		
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state)
Braided/wide channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Mareh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flurb <input type="checkbox"/>	
P CHOKED CHANNEL (Tick one box)			
Is 55% or more of the channel choked with vegetation? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			
Q NOTABLE NUISANCE PLANT SPECIES (tick all that apply)			
Giant Hogweed <input type="checkbox"/>	Himalayan Balsam <input type="checkbox"/>	Japanese Knotweed <input type="checkbox"/>	Other ? State
R BRIEF DESCRIPTION (use prompts and key words as appropriate)			
Descriptive statements: True dwarf willow river with bed rock, 1m high walls Left a brown stream and vegetation over steep bed rock. Plants of note Valley up from road as steep as steep V but not as steep Major conservation features a shallow V. Major impacts Incidental observations (animals etc) DIPPER IFF 2 chokel embankment Bittern <input checked="" type="checkbox"/>			
S DISEASED ALGAE (Tick one box)			
None <input type="checkbox"/>	Present <input type="checkbox"/>	Extensive <input type="checkbox"/>	Other diseased trout? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

9-28-78, 198

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) 100 Slope (m/km) 10 Flow category (1-10) 10
 Solid geology code 1 Drift geology code 1 Planform category 1
 Distance from source (km) 10 Significant tributary? No Navigation? No

B. FIELD SURVEY DETAILS

Reference network site number: 3935
 Mid-section grid reference of network site (if different from designated location):
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: 50 47 2317 River: Worm Brook
 Date: 19.6.1995 Time: 16:00 Surveyor name: TS, TN, PH, LK, AK, TD
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: with S.W. 1/2 m!
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Photographs: general character? No ☐ Yes ☒ (tick one box) Bank
 Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☒ + note/mh > usual

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 11 then indicate total number)

Riffles 12 Unvegetated point bars 2
 Pools 8 Vegetated point bars 0

IFE (ind. SWEEP 1995)

DATES: Record prepared initiated data checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

RIFLES 1111111111 **POOLS** 1111111111 **Unvegetated point bars** 11 **Vegetated point bars** 11

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (d) (tick one box)

Spot check 1 is at: upstream end ☐ of site ☒ (tick one box)

Spot check	1	2	3	4	5	6	7	8	9	10	11
LEFT BANK (looking downstream)											
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE	Use the back of page 1 for notes										
Channel substrate (fine)	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Flow type (fine)	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (looking downstream)											
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANK OF LAND USE AND VEGETATION STRUCTURE	(to be assessed over a 10m wide stretch)										
Land use: choose one from SL, CP, HM, SC, SP, VL, OW, RS, TL, TW											
LAND USE WITHIN 5m OF BANKTOP (L)	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS
LEFT BANK-TOP (structure within 1m)	US	US	US	US	US	US	US	US	US	US	US
LEFT BANK FACE (structure)	US	US	US	US	US	US	US	US	US	US	US
RIGHT BANK FACE (structure)	US	US	US	US	US	US	US	US	US	US	US
RIGHT BANK-TOP (structure within 1m)	US	US	US	US	US	US	US	US	US	US	US
LAND USE WITHIN 5m OF BANK TOP (R)	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS
G. CHANNEL VEGETATION TYPES	(fill in relevant boxes with your code: use E (in 33% area) or F (percent))										
NONE (tick)											
Plant genera (tick one)											
Liverworts											
Mosses/lichens											
Emergent broad-leaved											
Emergent reeds/ sedges/poises											
Flowering (tick one)											
Free-floating											
Amphibious											
Submerged - broad-leaved											
Submerged fine-leaved											
Filament, algae											

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

NOTES - Use tick boxes of boxes of data to be taken + species if possible of both parts of a Pteronotus pastures

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F (percent))

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Cereiferous plantation (CP)			Open water (OW)		
Moors/heath (MH)			Improved/semi-improved grass (IG)	E	E
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 33% banklength) or F (percent))

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/unexcavated			Excavated		
Vertical + sea			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Congested			Artificial toe/edge		
Use a 10m scale to assess bank profile (if different from above, other ratings prohibited)			Penchard		
			Embarked		
			Sub-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	WATER	E or F	None	Percent	Notes
None							
Isolated/scattered							
Regularly spaced, single							
Occasional clumps							
Semi-continuous							
Continuous							
ASSOCIATED FEATURES (Tick one box per feature)							
Shading of channel							
Overhanging boughs							
Exposed bankside roots							
Underwater tree roots							
Fallen trees							
Coarse woody debris							

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Percent	Notes
Waterfalls - free-fall			
Cascades - close			
Step-pool sequence			
Rapids - whitewater			
Riffle-pool sequence			
Runs - disturbed, rippled			
Bell - upwellings			
Glide - smooth, no eddies			
Marginal deadwater - slack			
Exposed bedrock			
Exposed boulders			
Unvegetated mid-channel bars			
Vegetated mid-channel bars			
Mature island(s)			
Unvegetated side bars			
Vegetated side bars			

Have you completed your squares from this week? (send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at the site on a straight uniform section, preferably across a single riffle)

LEFT BANK	Banktop width (m)	3.5	RIGHT BANK	
Banktop height (m)	0.90		Banktop height (m)	0.70
Banktop width (m)	2.0		Banktop width (m)	2.0
Banktop height (m)	0.20		Banktop height (m)	0.20
Banktop width (m)	0.20		Banktop width (m)	0.20

If banktop lower than banktop back in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (comp) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 11 then indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = 1 Weirs = 1 Outfalls = 1 Piers = 1
 Footbridges = 1 Roadbridges = 1 Other = 1 Most's hole of site ☐

Is water level controlled by weir/dam/decantation? No ☒ Part of site ☐ Most's hole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: 1
 weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLUCCPLAIN (then consider)	Bog	Other (state)
Waterfalls > 2m high			
Artificial open water			
Bankside channels			
Natural open water			
Water meadows			
Pen			

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (Use E or F)

None ☒ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: 1

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentences: Overgrown stream with debris in part
Major conservation features: None
Major impacts: Riffles created by debris in part
Incidental observations (animals etc):
IFE channel only (tick one box)

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: 1

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing - details supplied above

NRA RIVER HABITAT SURVEY 1995: 1P B. P. A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Platform category
 Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3936
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: 50 588325 River: NE
 Date: 13/5/1995 Time: 13:30 Surveyor name: 66 MLY 18 (16) FWD
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None
 Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)
 Duplicate photographs: general character? No ☒ Yes ☐ (tick one box) 50m by 1m
 Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☒ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/extra diagrams

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars
 Pools Vegetated point bars

National Rivers Authority

DATES: heard pond visited before

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end of site ☒ downstream end ☐ (tick one box)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK: <u>Left bank down stream</u>										
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RI	RI	RI	RI	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel note: <u>Use the bank line</u>										
Channel substrate (fine)	BE	CO	CO	CO	CO	CO	CO	CO	CO	CO
Flow type (fine)	UP	UP	UP	UP	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: <u>Right bank down stream</u>										
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CL, FL, GL, PL, SL, TL, UL, VL, WL, XL, YL, ZL, AL, BL, CL, FL, GL, PL, SL, TL, UL, VL, WL, XL, YL, ZL, AL

Land use within 5m of banktop (L)

LEFT BANK TOP (structure within 1m)	BL	BL	CL	CL	FL	FL	GL	GL	PL	PL
LEFT BANK FACE (structure)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
RIGHT BANK FACE (structure)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
RIGHT BANK TOP (structure within 1m)	UL	UL	UL	UL	UL	UL	UL	UL	UL	UL
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES (All in relevant boxes with one entry, tick one box (if 33% area) or 2 (if present))

NONE (tick one box) Plant genera (tick one box)

Liverwort										
Mosses/lichens										
Emergent broad-leaved										
Emergent reeds/sedges/rushes										
Flowering-leaved (broad)										
Free-floating										
Amphibious										
Submerged - broad-leaved										
Submerged fine-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use tick 4 ticks of growing of plants, etc. + species if possible of plants, etc. + species if possible

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R	L	R
Broadleaf/mixed woodland (BL)	E			
Coniferous plantation (CP)				
Moorland/heath (MH)				
Scrub (SC)				E
Rough pasture (RP)				
Wetland (eg bog, marsh, fen) (WZ)				
Open water (OW)				
Improved/semi-improved grass (IG)				
Tilled land (TL)				
Suburban/urban development (SU)				

I BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R	L	R
Natural/unmodified				
Vertical/undercut				
Vertical + toe				
Steep (> 45°)				
Gentle				
Composite				
Artificial/unmodified				
Reinforced				
Reinforced - whole bank				
Reinforced - top only				
Reinforced - toe only				
Artificial two-stage				
Poached				
Embanked				
Set-back embankments				

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

	Left	Right	Notes
None			
Isolated/scattered			
Regularly spaced, single			
Occasional clumps			
Semi-continuous			
Continuous			

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present E	Notes
Shading of channel			
Overhanging boughs			
Exposed bankside roots			
Underwater tree roots			
Fallen trees			
Course woody debris			

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E	Notes
Waterfall(s) - freefall			
Cascade(s) - chute			
Step-pool sequence			
Rapid(s) - whitewater			
Riffle-pool sequence			
Run(s) - disturbed, rippled			
Boil(s) - upwellings			
Glide(s) - smooth, no eddies			
Marginal deadwater - slock			
Exposed bedrock			
Exposed boulders			
Unvegetated mid-channel bars			
Vegetated mid-channel bars			
Mature island(s)			
Unvegetated side bars			
Vegetated side bars			

Have you completed your survey from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	<u>24.0</u>	RIGHT BANK		
Banktop height (m)	<u>5.0</u>	Water width (m)	<u>20.0</u>	Banktop height (m)	<u>5.0</u>
Embanked height (m)		Water depth (m)	<u>1.0</u>	Embanked height (m)	

If threshold lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Roadbridges = Outfalls = Other = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☒ weed-cutting ☐ enhancement ☒ Bank Taps ☒

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	Waterfalls > 5m high	Artificial open water	Bog	Other (state)
Braided/wide channels	Natural open water	Cur		
Debris dams	Water meadow	Marsh		
Leafy debris	Fen	Flush		

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10 then indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☒ Other 1 ☐ State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Wide meandering (powerful) river, high banks.
 Plants of note (see list): Extensive flowers along bank.
 Major conservation features: Extensive BL on LHS.
 Major impacts: RI on LHS - small fishing pier. (also lots of fish algae)
 Incidental observations (animals etc): Drosophilids - incl. Libellula depressa.

S DISTURBED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other (state) ☐ State

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WARRHAM, BH20 6RB

Envelopes supplied! Post completed forms for posting. Labels supplied separately

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3937

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 50 686332 River: PRESTON BROOK

Date: 11/5/1995 Time: 11:00 Surveyor name: J.W. F.H. 16 AK 7040

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/mh > mean

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles / Unvegetated point bars

Pools / Vegetated point bars

IFE-M-F - See page 10/11

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (J) Max. position of feature (J)

Spot check 1 to 10: upstream end of site down stream

LEFT BANK (looking downstream)

Bank material (fine) EA EA EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NO RS NO NO NO NO NO NO NO NO

Bank feature(s) NO NO NO NO NO NO NO NO NO NO

Channel substrate (fine) GP SI SI SI GP SI SI SI SI SI

Flow type (fine) RP SA SM NP RP SA SM NP RP SA SM

Channel modification(s) NO NO NO NO NO NO NO NO NO NO

Channel feature(s) TR NO NO NO TR NO NO NO NO NO

RIGHT BANK (looking downstream)

Bank material (fine) EA EA EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NO NO RS RS RS RS RS RS RS RS

Bank feature(s) NO NO NO NO NO NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: choose one from FL, CP, HM, SC, RP, PL, GW, DS, TL, TU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUC U U L L L U U U U U U

LEFT BANK FACE (structure) BAUC S S S S S S S S S S S

RIGHT BANK FACE (structure) BAUC S S S S S S S S S S S

RIGHT BANK-TOP (structure within 1m) BAUC U U L L L U U U U U U

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or V (greater))

NONE (tick) Plant genera (tick one)

Emergent broad-leaved herbs Epi latifolia

Emergent narrow-leaved herbs Epi linearis

Emergent reeds Phragmites

Floating-leaved (spread)

Free-floating

Amphibious

Submerged - broad-leaved

Submerged fine-leaved

Filamentous algae

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V) ↑

IF E or V - See page 10/11

REFRAT 1

SITE NO. 3937 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or V if present)

Broadleaf/woodland (BL) Wetland (eg bog, marsh, fen) (WLF)

Coniferous plantation (CP) Open water (OW)

Moorland/heath (MH) Improved/brown-improved grass (IG)

Scrub (SC) Tilled land (TL)

Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (≥ 33% banklength) or V if present)

Natural/unmodified L R Artificial/modified L R

Vertical/undercut 2 2 E E Rescaped

Vertical + toe 2 2 Reinforced - whole bank

Steep (> 45°) 2 2 Reinforced - top only

Gentle 2 2 Reinforced - toe only

Composite Artificial two-stage

Use this space to draw profile if different from above, after ticking predominant box

Peached

Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None Left Right

Isolated/scattered

Regularly spaced, single

Occasional clumps

Semi-continuous

Continuous

ASSOCIATED FEATURES (Tick one box per feature)

None Present E

Shading of channel

Overhanging boughs

Exposed bankside roots

Underwater tree roots

Fallen trees

Coarse woody debris

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall

Cascade(s) - chute

Step/pool sequence

Rapid(s) - whitewater

Riffle-pool sequence

Run(s) - disturbed, rippled

Boil(s) - upwellings

Glides - smooth, no eddies

Marginal deadwater - slock

Exposed bedrock

Exposed boulders

Unvegetated mid-channel bars

Vegetated mid-channel bars

Mature island(s)

Unvegetated side bars

Vegetated side bars

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 4.0 RIGHT BANK

Banktop height (m) 1.5 Water width (m) 2.0 Banktop height (m) 1.3

Banktop height (m) 0.25 Water depth (m) 0.25 Embankment height (m)

If trashline lower than banktop break in slope, indicate height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-11 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls =

Footbridges = Part of site ☐ Most/whole of site ☐

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

wood-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL FLOODPLAIN (50m corridor)

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☒ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use E or V) (Note: Rhododendron Toxic)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate) (The Scientist's)

Descriptive sentence: Meandering channel - steep banks, mostly S1.

Plants of note: (See list)

Major conservation features:

Major impacts: Possibly RS in past - difficult to tell at present.

Incidental observations (animals etc):

IFE-M-F - See page 10/11

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Europe's supplied! Post completed form for processing. Labels supplied at site.

Have you completed your squares for this week? (Send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: **3942**
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: **SP 198367** River: **KNEE BROOK**
Date **3/5/1995** Time: **14:00** (Surveyor name) **JB, TM, PH, LA, AK, TD**
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: **with side by side**
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box) **with side by side**
Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorgo ☐ asymmetrical floodplain
☐ concave/bowl ☐ + note/other description

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10, then indicate total number)

Riffles **6** Unvegetated point bars
Pools **1** Vegetated point bars **1**
IFE - Inlet - See survey notes

National Rivers Authority

JB, TM, PH, LA, AK, TD

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one)

Spot check 1 is at: upstream end ☐ of site ☒ downstream ☐ (tick one)

	1	2	3	4	5	6	7	8	9	10	Notes
LEFT BANK (to be assessed across channel within a 1m wide zone)											
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	SC	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel substrate (fine)	SP	SP	GF	SI	GF	GF	GF	GF	GF	GF	
Flow type (fine)	RP	SM	RF	SM	SM	SM	SM	SM	SM	SM	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK (to be assessed across channel within a 1m wide zone)											
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	SC	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel substrate (fine)	SP	SP	GF	SI	GF	GF	GF	GF	GF	GF	
Flow type (fine)	RP	SM	RF	SM	SM	SM	SM	SM	SM	SM	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	
LEFT BANK-TOP (structure within 1m)	U	C	U	U	U	U	U	U	U	U	
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U	
RIGHT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U	
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U	
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	

F. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry per E (to 33% area) or if present)

Plant group (tick one)	1	2	3	4	5	6	7	8	9	10
NONE (tick)										
Emergent broad-leaved										
Emergent reed/bracken										
Flowering-leaved										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or A) †

PLANTS - Use list 4-digits of Brown's Plant Catalogue + species if possible eg *Potamogeton pectinatus*

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Cereaceous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/best-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (to 33% banklength) or if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gully			Reinforced - toe only		
Composite			Artificial two-stage		
Use 1-10 to show profile if E from above, else tick 1 if recommended box			Peached		
			Embanked		
			Set-back embankment		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	WATER	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	E	WATER
None				Shading of channel				
Isolated/scattered				Overhanging boughs				
Regularly spaced, single				Exposed bankside roots				
Occasional clumps				Underwater tree roots				
Semi-continuous				Fallen trees				
Continuous				Coarse woody debris				

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E		None	Present	E	WATER
Waterfall(s) - freefall				Marginal deadwater - silt				
Cascade(s) - chute				Exposed bedrock				
Step pool sequence				Exposed boulders				
Rap(s) - whitewater				Unvegetated mid-channel bars				
Riffle pool sequence				Vegetated mid-channel bars				
Race(s) - disturbed, rippled				Marsh island(s)				
Belt(s) - swiftings				Unvegetated side bars				
Gully(s) - smooth, no eddies				Vegetated side bars				

Have you completed your enquiries from this week? (and to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Banktop width (m)	Right Bank
Banktop height (m)	2.25	Water width (m)	3.2
Embanked height (m)		Water depth (m)	0.2
		Embanked height (m)	
		If transline lower than banktop break in slope, indicate height (m) 1-5 width(m) 4-1	
		Bed material at site is: consolidated (compact) <input checked="" type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input type="checkbox"/>	
		Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)	

M. ARTIFICIAL FEATURES (Use 1-10 to indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = Ponds =
Footbridges = Part of site ☐ Men/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drogging ☐ mowing ☐ Other ? State:
weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fun
	Bog
	Carr
	Marsh
	Flush

P. CROOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 to indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State:
The following are present:
BRIEF DESCRIPTION (Use prompts and log words as appropriate)
Descriptive sentence: **Meandering channel - glide pool sequence**
Plants of note (see 1-10): **steep sided banks with clay**
Major conservation features:
Major impacts:
Incidental observations (animals etc): **Mink present. Also Badgers set in woods.**
IFE channel is silted & filled

R. DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State:
SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Enquiries supplied! Post completed form for processing - labels supplied etc

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source (km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3943

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SP 215305 River: EVENLODE

Date 3/5/1995 Time: 11:30 Surveyor name: TF, JN, PH, I, AK, TW

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) Site 1/2 on 1 beam

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/extra description

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles: 1 Unvegetated point bars: 0

Pools: 14 = 5 Vegetated point bars: 0

IFE - m - See 1995/1996/1997

National Rivers Authority

DATES: head 10/5 ground 10/12 10/12 10/12

2/19/95 1

SITE NO. 3943 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	<u>E</u>	<u>E</u>
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

J. BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificially modified		
Vertical/undercut	<u>2</u>	<u>2</u>	Reinforced		
Vertical + toe	<u>2</u>	<u>2</u>	Reinforced - whole bank	<u>2</u>	<u>2</u>
Step (>45°)	<u>2</u>	<u>2</u>	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after noting predominant box			Poached		
			Embanked		
			Set-back embankments		

K. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

	Left	Right	Notes
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present E	Notes
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

L. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E	Notes
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Riffle/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rough(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Glides(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Have you completed your equines from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

III. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (Mark (x) in box)

Spot check 1 is at upstream end of site (tick one)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK (looking downstream)										
Bank material (fine)	EA	FA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
CHANNEL NOTE (Use appropriate code)										
Channel substrate (fine)	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Flow type (fine)	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (looking upstream)										
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

IV. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use choice one from BL, CP, MH, IG, OW, RP, SU, TL, W

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m) BAUSC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BAUSC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

V. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry per 33% area or 1/3 present)

NONE (tick) Plant genera (Latin)

	1	2	3	4	5	6	7	8	9	10
Emergent broad-leaved herbs										
Emergent reeds, sedges, rushes										
Floating-leaved (emersed)										
Free-floating										
Amphibious										
Submerged - broad-leaved										
Submerged fine-leaved										
Filamentous, algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANT 5 - Use 1-10 to indicate genus, 11-15 to indicate species + genus if possible of plant parts + Potamogeton perianth

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	<u>8.0</u>	<u>8.0</u>
Banktop height (m)	<u>2.0</u>	<u>2.0</u>
Embanked height (m)	<u>0.5</u>	<u>0.5</u>
If threshold lower than banktop break in slope, indicate: height (m) <u>1.6</u> width (m) <u>6.0</u>		
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>		
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)		

M. ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 0 Weirs = 0 Roadbridges = 0 Outfalls = 0 Fords = 0

In water level controlled by weir/dam downstream? No ☒ Yes ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: None

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	<input type="checkbox"/>
Braided/ridge channels	<input type="checkbox"/>
Debris dams	<input type="checkbox"/>
Leafy debris	<input type="checkbox"/>
Artificial open water	<input type="checkbox"/>
Natural open water	<input type="checkbox"/>
Water meadow	<input type="checkbox"/>
Fen	<input type="checkbox"/>
Bog	<input type="checkbox"/>
Carr	<input type="checkbox"/>
Marsh	<input type="checkbox"/>
Flush	<input type="checkbox"/>

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? No ☒ Yes ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: None

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate) (The Sentence)

Descriptive sentence: Meandering lowland channel - deep sides!

Plants of note (give list): None

Major conservation features: None

Major impacts: Probs. RS in past - now recovered.

Incidental observations (animals etc): None

IFE channel sample taken ☒ filtered ☐

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: None

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKK, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing. Labels supplied separately

NRA RIVER HABITAT SURVEY 1995: IFE P.A.A. Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3944

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SP 314302 River: CALFORDS BROOK

Date 3.15.1995 Time: 09:30 Surveyor name: G.C. M.A. H. (16) P.W.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with S.A. M. on!

Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one, box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorgo ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/extra diagrams

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles 16 Unvegetated point bars

Pools 9 Vegetated point bars 11 = 2

IFE-P.A.A. - See V.P. 1000000

National Rivers Authority

Notes: Record 11/15 planned unlisted before checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 16 Pools 9 Unvegetated point bars 11 Vegetated point bars 11

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ of riffle ☒ (tick one box)

Spot check 2 is at: downstream end ☐ of riffle ☒ (tick one box)

LEFT BANK (looking downstream)

Bank material (fine) FE, SO, CO, CL, PE, CL ☐ FA ☐ EA ☐ EA ☐ EA ☐ EA ☐ EA ☐ EA ☐ EA

Bank modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank features(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Channel note: 1.5m, white, fine, rapid, of debris

Channel substrate (fine) FE, SO, CO, CL, PE, CL ☐ SP ☐ GP ☐ GP ☐ GP ☐ GP ☐ GP ☐ GP ☐ GP ☐ GP

Flow type (fine) FE, SO, CO, CL, PE, CL ☐ RF ☐ RF ☐ RF ☐ RF ☐ RF ☐ RF ☐ RF ☐ RF

Channel modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Channel features(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

RIGHT BANK (looking upstream)

Bank material (fine) FE, SO, CO, CL, PE, CL ☐ FA ☐ EA ☐ EA ☐ EA ☐ EA ☐ EA ☐ EA ☐ EA

Bank modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank features(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CP, IM, IC, IP, EL, GV, IS, IL, IU

LAND USE WITHIN 5m OF BANKTOP (L) SL TL TL TL TL SL TL TL TL TL

LEFT BANK-TOP (structure within 1m) SL SL SL SL SL SL SL SL SL SL

LEFT BANK FACE (structure) SL SL SL SL SL SL SL SL SL SL

RIGHT BANK FACE (structure) SL SL SL SL SL SL SL SL SL SL

RIGHT BANK-TOP (structure within 1m) SL SL SL SL SL SL SL SL SL SL

LAND USE WITHIN 5m OF BANK TOP (R) SL TL TL TL TL SL TL TL TL TL

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: tick one box, or 1/1 (present))

NONE (tick) ☒ Plant genera (tick one)

Emergent broad-leaved herbs ☒ SP

Emergent reedy sedges/forbs ☐

Flowering/leaved ☐

Free-floating ☐

Amphibious ☐

Submerged - broad-leaved ☐

Submerged fine-leaved ☐

Filament, algae ☐

Use and 'catch all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or 1/1)

PLANTS - Use tick boxes of genera + species if possible or plant part + plant genus/particular

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or 1/1 if present)

L **R** **L** **R**

Broadleaf/woodland (BL) ☒ Wetland (eg bog, marsh, fen) (WL) ☐

Carex/scrub (CP) ☐ Open water (OW) ☐

Moorland/heath (MH) ☐ Improved/semi-improved grass (IG) ☐

Scrub (SC) ☐ Tilled land (TL) ☐

Scrub pasture (SP) ☐ Suburban/urban development (SU) ☐

I BANK PROFILES (Use E (≥ 33% banklength) or 1/1 if present)

Natural/unmodified ☐ Artificial/modified ☐

Vertical/unmodified ☐ Retention ☐

Vertical + toe ☐ Reinforced - whole bank ☐

Steep (> 45°) ☐ Reinforced - top only ☐

Gully ☐ Reinforced - toe only ☐

Composite ☐ Artificial two-stage ☐

Use 1/1 space to draw profile of 1/1 from above, other 1/1: 1/1 predetermined box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☐ Left ☐ Right ☐ Notes ☐

Isolated/scattered ☐

Regularly spaced, single ☐

Occasional clumps ☐

Semi-continuous ☐

Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

E ≥ 33% ☐

Shading of channel ☐

Overhanging boughs ☐

Exposed bankside roots ☐

Underwater tree roots ☐

Fallen trees ☐

Coarse woody debris ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ Marginal deadwater - slack ☐

Carraze(s) - chute ☐ Exposed bedrock ☐

Step pool sequence ☐ Exposed boulders ☐

Rap(s) - whitewater ☐ Unvegetated mid-channel bars ☐

Riffle-pool sequence ☐ Vegetated mid-channel bars ☐

Roc(s) - disturbed, rippled ☐ Mature island(s) ☐

Boil(s) - upwellings ☐ Unvegetated side bars ☐

Gill(s) - smooth, no eddies ☐ Vegetated side bars ☐

Have you completed your exercises from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK **RIGHT BANK**

Banktop width (m) 1.7 Banktop height (m) 0.5

Banktop height (m) 0.5 Water width (m) 1.4 Banktop height (m) 0.5

Embanked height (m) 0.02 Water depth (m) 0.02 Embanked height (m) 0.02

If threshold lower than banktop break in slope, indicate: height (m) 0.02 width (m) 0.02

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement in: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) 1/1

M ARTIFICIAL FEATURES (Use 1/1 to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 0 Outfalls = 0 Fords = 0

Floodgates = 0 Roadbridges = 0 Other = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State:

wood-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL ☐ FLOODPLAIN (50m corridor) ☐

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☒ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/1 or E, or 1/1 to indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: None

R BRIEF DESCRIPTION (Use prompts and key words at appropriate)

Descriptive sentence: Meandering, tree lined channel - cobble / gravel sub

Plants of note: (see list)

Major conservation features:

Major impacts: Urban Trash / rubble near road bridge

Incidental observations (animals etc):

IFE channel type: 1/1

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing - labels supplied

NRA RIVER HABITAT SURVEY 1995: IFE, P-1-A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3945

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SP 445375 River: SOR BROOK

Date 2.1.95/1995 Time: 17.00 Surveyor name: GC Mkt No 116 FWD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with site notes

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/extra diagrams

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE - (n-1) - See also 1/11

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ of site ☒ downstream end ☐ (tick one box)

LEFT BANK (looking downstream)

Bank material (fine) FE, SO, CO, GL, SL, FE, CL

Bank modification(s) NO, SL, FE, CL, SL, FE

Bank feature(s) NO, NO, FE, CL, FE, FE, FE

CHANNEL NOTE Use the bank face of the channel

Channel substrate (fine) FE, SO, CO, GL, SL, FE, CL

Flow type (fine) FE, SO, CO, GL, SL, FE, CL

Channel modification(s) NO, NO, FE, CL, FE, FE

Channel feature(s) NO, NO, FE, CL, FE, FE

RIGHT BANK (looking upstream)

Bank material (fine) FE, SO, CO, GL, SL, FE, CL

Bank modification(s) NO, SL, FE, CL, SL, FE

Bank feature(s) NO, NO, FE, CL, FE, FE

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from FE, CP, SO, CL, SL, FE, CL, CO, GL, SL, FE, CL

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUSC

LEFT BANK FACE (structure) BAUSC

RIGHT BANK FACE (structure) BAUSC

RIGHT BANK-TOP (structure within 1m) BAUSC

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry, use E (to 33% area) or A (present))

NONE (tick) Plant genera (tick one)

Algae ☐ Mosses/lichens ☐ Emergent broad-leaved herbs ☒ Emergent reeds/rushes/sedges ☒ Floating-leaved (rooted) ☐ Free-floating ☐ Amphibious ☐ Submerged broad-leaved ☐ Submerged fine-leaved ☐ Filamentous algae ☐

Use and 'catch all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or A)

PLANTS - Use tick & letters of genera & then site vegetation & species if possible eg Pota pool = Potamogeton pectinatus

REPEAT 1

SITE NO. 3945 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or A (if present))

I. BANK PROFILES (Use E (to 33% banklength) or A (if present))

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

ASSOCIATED FEATURES (Tick one box per feature)

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 4.5

Banktop height (m) 0.7

Banktop width (m) 4.0

Banktop height (m) 1.0

Banktop width (m) 1.5

Banktop height (m) 1.0

M. ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Feeds = 0

Footbridges = 0 Roadbridges = 0 Other = 0

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State: None

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL

Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)

Bridged/side channels ☐ Natural open water ☐ Bog ☐ Other (state): None

Debris dams ☐ Water meadow ☐ Carr ☐

Leafy debris ☐ Fen ☐ Marsh ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use / or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State: None

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Meandering lowland channel

Plant species: approx 50/50 silt/clay

Major conservation features: Ditch adjacent to stream

Major impacts: None

Incidental observations (animals etc): None

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: None








SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing. Labels supplied separately.

Have you completed your exposures for this week? (send to FWD for signature!)

A BACKGROUND MAP-BASED INFORMATION		
Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source(km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS	
Reference network site number: <u>3946</u>	
Mid-section grid reference of network site if different from designated location:	
COMPLETE THE FOLLOWING FOR ALL SITES	
Grid Reference: <u>SP 518373</u>	River: <u>NO-SAMEDS TRIPS OF CHURWELL, 7B, 7N PH 16 AK 7000</u>
Date <u>21.5/1995</u> Time: <u>14:45</u>	Surveyor name (with grade) <u>66 mly no 516</u> FWD
Adverse conditions affecting survey?	No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> if yes, state
Bed of river visible?	No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input checked="" type="checkbox"/> (tick one box)
Photographs: general character? No <input type="checkbox"/> <u>Yes</u> <input checked="" type="checkbox"/> (tick one box) <u>with Board</u> Essential - return visit required if failure? <input type="checkbox"/> <u>Yes</u> <input checked="" type="checkbox"/>	
Site surveyed from:	left bank <input type="checkbox"/> right bank <input type="checkbox"/> channel <input checked="" type="checkbox"/> (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)	
 <input checked="" type="checkbox"/> shallow vee	 <input type="checkbox"/> terraced valley floor
 <input type="checkbox"/> deep vee	 <input type="checkbox"/> symmetrical floodplain
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain
 <input type="checkbox"/> concave/bowl	+ NOTE/mb 700000

D. NUMBER OF RIFLES, POOLS AND POINT BARS* (Use 111 then indicate total number)	
Rifles <u>9</u>	Unvegetated point bars <u> </u>
Pools <u> </u>	Vegetated point bars <u> </u>

IF 111 - SEE 111 111 111

National Rivers Authority

Riffles ✓(0-9)	Pools MFA JVN	Unvegetated point bars	Vegetated point bars										
E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (if track per line) feature ✓													
Spot check 1 at left upstream end station		No. of sites (first row)	1	2	3	4	5	6	7	8	9	10	add total
LEFT BANK location downstream													
Bank material (fine)			FF.CO.CG.SL.FA.CL	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)			NK.ND.SJ.PC.MI.EW	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank failure(s)			NK.NO.FC.SC.FP.VF.VV.VT	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE - Use as guide for nature of habitat													
Channel substrate (fine)			SV.HR.PO.CO.SP.SI.SL.CL	GP	SA	SI	GP	GP	SI	SI	SI	SI	SI
Flow type (fine)			FF.CH.WV.CF.FP.SM.SP.NO	RP	RP	SM	RP	RP	SM	SM	SM	SM	NP
Channel modification(s)			NK.NO.SJ.PC.MI.FO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel failure(s)			NO.SQ.SV.VR.VI.VT	NO	NO	NO	NO	NO	NO	NO	NO	NO	NC
RIGHT BANK location downstream													
Bank material (fine)			FF.CO.CG.SL.FA.CL	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)			NK.ND.SJ.PC.MI.EW	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank failure(s)			NK.NO.FC.SC.FP.VF.VV.VT	NO	NO	NO	NO	SC	NO	NO	NO	NO	NC
F "BANKTOP LAND USE AND VEGETATION STRUCTURE" (to be assessed over a 10m wide stretch)													
Land use: choose one from AL, CP, HR, SC, SP, VL, OR, NO, R, W													
LAND USE WITHIN 5m OF BANKTOP (L)			BL BL BL BL BL TL TL FL BL										
LEFT BANK-TOP structure within 1m			BASIC	S	C	S	C	S	S	S	C	S	
LEFT BANK FACE (structure)			BASIC	S	S	U	S	U	U	U	S	S	
RIGHT BANK FACE (structure)			BASIC	U	S	U	S	B	U	U	U	S	
RIGHT BANK-TOP structure within 1m			BASIC	U	S	U	U	U	U	U	S	S	
LAND USE WITHIN 5m OF BANK TOP (R)			K K K K K SC TL TL TL TL										
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (= 10% area) or V (green))													
NONE pick			Plant genus (Latin)										
Liverworts mosses/diatoms				E	E	V	V	V	V	E	E	E	
Emergent broad leaved herbs			Azolla, Alisma, Najas-like herbs	V	V	V	V	V	V	V	V	V	
Aquatic macro algae/rubus			Enteromorpha	V	V	V	V	V	V	V	V	V	
Floating-leaved (system)													
Free-floating													
Amphibious													
Submerged broad-leaved													
Submerged fine linear-leaved													
Filamentous algae													

Use the "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)			
LEFT BANK		Backstop width (m)	3.2
Backstop height (m)	0.75	Water width (m)	1.0
Enhanced height (m)		Water depth (m)	0.1
		Backstop height (m)	0.9
If trashline lower than backstop break in slope, indicate: height (m) 0.25 width (m) 1.5			
Bed material at site is: consolidated (temp) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)			
M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)			
None <input type="checkbox"/>	Number of Culverts =	Weirs =	Outfalls =
	Floodbanks = 1	Roadbridges =	Fords =
Is water level controlled by weir/dam downstream? No <input checked="" type="checkbox"/> Part of site <input type="checkbox"/> Moon's hole of site <input type="checkbox"/>			
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)			
dredging <input type="checkbox"/>	moving <input type="checkbox"/>	Other? State	
wood-cutting <input type="checkbox"/>	enhancement <input type="checkbox"/>		
O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))			
CHANNEL	FLOODPLAIN (50m corridor)		
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>		
Braided/wide channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>		
Debris dams <input checked="" type="checkbox"/>	Water meadow <input type="checkbox"/>		
Leafy debris <input checked="" type="checkbox"/>	Fen <input type="checkbox"/>		
	Bog <input type="checkbox"/>		
	Carr <input type="checkbox"/>		
	Marsh <input type="checkbox"/>		
	Flush <input type="checkbox"/>		
P CHOKED CHANNEL (Tick one box)			
Is 33% or more of the channel choked with vegetation? No <input type="checkbox"/> YES <input type="checkbox"/>			
Q NOTABLE NUISANCE PLANT SPECIES (Use 1-5) (Water channel only)			
Giant Hogweed <input type="checkbox"/>	Himalayan Balsam <input type="checkbox"/>	Japanese Knotweed <input type="checkbox"/>	Other? State <i>Nettle, Birch</i>
R BRIEF DESCRIPTION (Use prompts and key words of appropriate) (The Natural)			
Descriptive sentence: <i>Small tree-lined channel.</i>			
Plants of note: <i>(see list)</i>			
Major conservation features: <i>Wildlife corridor in Agricultural landscape.</i>			
Major impacts: <i>—</i>			
Incidental observations (animals etc): <i>—</i>			
IFE <i>2 channels by left D filled</i>			
S DISEASED ALDERS (Tick one box)			
None <input checked="" type="checkbox"/>	Present <input type="checkbox"/>	Extensive <input type="checkbox"/>	Other distant threat? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Enquiries invited! Post completed form for prompt reply. Labels supplied.

LAND USE WITHIN 50m of BANKTOP Use E (≥ 33% banktop) or if present					
LAND USE	L	R	LAND USE	L	R
Along stream					
Broadleaf/mixed woodland (H1)	E	E	Wetland (eg bog, marsh, fen) (H2)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (H1H)			Improved/semi-improved grass (IG)		E
Scrub (SC)			Tilled land (TL)	E	E
Rough pasture (RP)			Suburban/urban development (SU)		

1. BANK PROFILES Use E (≥ 33% banktop) or if present					
Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Revetted		
Vertical + toe			Reinforced - whole bank		
Step (>45°)	E	E	Reinforced - top only		
Gentle	E	E	Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predominant bias			Poached		
			Embanked		
			Soil-bank embankments		

2. EXTENT OF TREES AND ASSOCIATED FEATURES					
TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
	Left	Right	Notes	None	Present
None			E ≥ 33%		
Shading of channel					
Overhanging boughs					
Exposed bankside roots					
Underwater tree roots					
Fallen trees					
Coarse woody debris					

3. EXTENT OF CHANNEL FEATURES (Tick one box per feature)					
	None	Present	Notes	None	Present
Waterfall(s) - free-fall					
Cascade(s) - chute					
Step-pool sequence					
Rap(s) - whitewater					
Riffle-pool sequence					
Flow(s) - disturbed, rippled					
Bolt(s) - spillways					
Glide(s) - smooth, no eddies					

NRA RIVER HABITAT SURVEY 1995 IFE P-1-A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3947

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SP 673342 River: GREAT OUSE

Date: 22/6/1995 Time: 11:30 Surveyor name: J. D. H. C. C. M. L.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with SUT N. on!

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE-mid - see over page 2

National Rivers Authority

DATES: head framed valid? below checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream end ☐ downstream ☒ of site (tick one)

LEFT BANK

Mat. BE, SO, CO, GE, LA, PE, CL, CC, SP, WF, GA, BR, RR, BW

Bank modification(s) ☒ NO, RI, RI, PC, RM, EM

Bank feature(s) ☒ NO, NO, EC, SC, PC, VP, JB, VS

CHANNEL NOTE Use suitable notes (if any)

Channel substrate (out) NY, BE, SO, CO, CP, SA, SL, CL, AR

Flow type (one) FF, CH, SW, UV, CF, RP, UP, SM, AP, NO

Channel modification(s) ☒ NO, NO, RI, RI, DA, FO

Channel feature(s) ☒ NO, NO, AR, VB, LR

RIGHT BANK

Mat. BE, SO, CO, GE, LA, PE, CL, CC, SP, WF, GA, BR, RR, BW

Bank modification(s) ☒ NO, RI, RI, PC, RM, EM

Bank feature(s) ☒ NO, NO, EC, SC, PC, VP, JB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, HH, SC, RP, WZ, OW, IO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUSC

LEFT BANK FACE (structure) BAUSC

RIGHT BANK FACE (structure) BAUSC

RIGHT BANK-TOP (structure within 1m) BAUSC

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or J (present))

NONE (tick) Plant genera (if any)

Emergent broad-leaved herbs

Emergent reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged - broad-leaved

Submerged fine-leaved

Filament, algae

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)

PLANTS - Use tick marks of genera of plants + species if possible as Pota post a Potamogeton pastinatus

Repeat 1

SITE NO. 3947 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or J if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WZ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or J if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Geotile			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after making predetermined box			Poached		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	NOTES	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	NOTES
None				Shading of channel			
Isolated/scattered				Overhanging boughs			
Regularly spaced, single				Exposed bankside roots			
Occasional clumps				Underwater tree roots			
Semi-continuous				Fallen trees			
Continuous				Coarse woody debris			

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present	NOTES
Waterfall(s) - free-fall			Marginal deadwater - slack			
Cascade(s) - chute			Exposed bedrock			
Step/pool sequence			Exposed boulders			
Rapid(s) - whitewater			Unvegetated mid-channel bars			
Riffle-pool sequence			Vegetated mid-channel bars			
Run(s) - disturbed, rippled			Mature island(s)			
Boil(s) - upwellings			Unvegetated side bars			
Glide(s) - smooth, no eddies			Vegetated side bars			

Have you completed your squares for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	LEFT BANK	RIGHT BANK
Banktop width (m)	10.0	
Banktop height (m)	1.0	
Banktop height (m)		1.0
Embedded height (m)		1.5
Embedded height (m)		

If trashline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1/1 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☒ Forest/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☒

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/1 for E, 1/2 for R, 1/3 for L, 1/4 for S, 1/5 for T, 1/6 for U)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use phrases and key words as appropriate)

Descriptive sentence: Shallow lowland channel - steep banks, silt substrate

Plants of note (see list)

Major conservation features: Willows along bank + small area of flood (Glyceria)

Major impacts: Probably over-deepened/dredged in past

Incidental observations (animals etc): A few coarse RUS, no HOWARD

IFE channel only by 1/1 1/2 1/3 1/4 1/5 1/6 1/7 1/8 1/9 1/10

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied as type

DATE. Recd	prepared	validated	date/initials checked
7-19-2012, TL			

PLANTS - Use 1st 4 liters of Census of Pota = Pota vegetation
+ species if possible of Pota part = Pota vegetation partimeter

Have you completed your expenses from this week? (send to FHD for signature!)

Envelopes supplied! Post completed films for processing - labels supplied as appropriate

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source(km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3950

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SP933390 River: Broughton Brook to Great Ouse

Date 4.15.1995 Time: 14.05 Surveyor name (write or add) G.C. M.L.V. H.O. 116 SWD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) Site No. on map

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/extra diagrams

D NUMBER OF RIFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Rifles	1	Unvegetated point bars
Pools	3	Vegetated point bars

IF RATED - SEE APPENDIX 2

National Rivers Authority

DATES. Record 10/5
P-44-1-71

Rifles 1 Pools III Unvegetated point bars Vegetated point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 3m wide zone) (3) Max. 100% (100%) (100%)

Spot check 1 is at: upstream end of section ☒ of site (tick one)

	1	2	3	4	5	6	7	8	9	10	Final
LEFT BANK looking downstream											
Bank material (one) <i>FS, SO, CO, GL, LF, PE, CL</i>	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank modification(s) <input checked="" type="checkbox"/> <i>NO, SL, PL, SC, SP, SW, SH</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input checked="" type="checkbox"/> <i>NO, SP, SC, SC, SP, SP, SP, SP</i>	SC	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE - Use sub-area for aspects of channel	bridge										
Channel substrate (one) <i>SL, SL, BO, CO, GP, SL, SL, CL, SL</i>	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type (one) <i>FF, CK, SW, UW, CF, SF, SF, SF, SF, SF</i>	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Channel modification(s) <input checked="" type="checkbox"/> <i>NO, NO, SL, PL, PL, PL</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <input checked="" type="checkbox"/> <i>NO, NO, SL, PL, PL, PL</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK looking downstream											
Bank material (one) <i>FS, SO, CO, GL, LF, PE, CL</i>	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank modification(s) <input checked="" type="checkbox"/> <i>NO, SL, PL, SC, SP, SW, SH</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input checked="" type="checkbox"/> <i>NO, SP, SC, SC, SP, SP, SP, SP</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide point bar)											
Land use: choose one from <i>SL, CL, HIL, LF, LF, LF, CL, NO, NO, SL, PL</i>											
LAND USE WITHIN 5m OF BANKTOP (L)	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
LEFT BANKTOP structure within 1m) <i>ANUSC</i>	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <i>ANUSC</i>	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) <i>ANUSC</i>	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANKTOP structure within 1m) <i>ANUSC</i>	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANKTOP (R)	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
G. CHANNEL VEGETATION TYPES (fill in column boxes with one entry; use R (to 100% area) per 100m)											
NONE tick) <i>Montgomery (Hartford)</i>											
Lavender											
Emergent broad-leaved herbs											
Emergent reeds/sedges/rushes											
Flowering-leaved (spotted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine-leaved											
Filamentous algae											

Use end "catch-all" column for types not occurring. In spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use 1st 4 letters of Genus → Pota, Potamogeton
+ species if possible eg Pota pect & Potamogeton pectinatus

II LAND USE WITHIN 50m OF BANKTOP Use E (in 33% banktop) or F (if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)		<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub (SC)		<input checked="" type="checkbox"/>	Tilled land (TL)		
Rough pasture (RP)		<input checked="" type="checkbox"/>	Suburban/urban development (SU)		

1. BANK PROFILES: Use G (in 33% banklength) or H (if present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced 		
Vertical + toe 		<input checked="" type="checkbox"/>	Reinforced - whole bank 		
Sloep (>45°) 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only 		
Gentle 		<input checked="" type="checkbox"/>	Reinforced - too only 		
Composite 			Artificial two-stage 		
Use this space to draw particular features affecting assessment of diffuse flow channels, if they exist (recommended but optional)			Flooded  Embanked  Set-back embankments 		<input checked="" type="checkbox"/>

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	No trees	Present E	Note
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	E 33% Shading of channel 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bankside roots 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	No trees	Present E	Note	No trees	Present E	Note
Waterfall(s) - free-fall 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Cascade(s) - chute 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater - slack 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Step/pool sequence 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Rapid(s) - white-water 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Riffle-pool sequence 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Runs(s) - disturbed, rippled 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s) 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Boil(s) - swellings 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Glide(s) - smooth, no eddies 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Have you completed your expenses for this week? (send to FWD for signature!)

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)			
LEFT BANK	Backstop width (m)	3	RIGHT BANK
Banktop height (m)	Water width (m)	6	Banktop height (m)
Enbanked height (m)	Water depth (m)	0.15	Enbanked height (m)
If trashline lower than backstop break in slope, indicate: height (m) _____ width (m) _____			
Bed material at site is: consolidated (compact) <input checked="" type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only) _____			
NOTICE: ARTIFICIAL FEATURES: (Use 1 to indicate total number, tick "none" where appropriate)			
None <input type="checkbox"/>	Number of Culverts = _____	Walls = _____	Outfalls = 3 _____
	Foodbridges = _____	Headbridges = 1 _____	Other = _____
Is water level controlled by weirs/dams downstream? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Part of site <input type="checkbox"/> Mouth/hole of site <input type="checkbox"/>			
EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)			
dragging <input type="checkbox"/>	mowing <input type="checkbox"/>	Other? State <u>Abolished. Sprayed with herbicide</u>	
weed-cutting <input type="checkbox"/>	enhancement <input type="checkbox"/>		
OTHER FEATURES OF SPECIAL INTEREST: (tick appropriate box(es))			
CHANNELS (tick appropriate box(es))			
Wetlands > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Reef <input type="checkbox"/>	Other (state) _____
Braided/wide channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Cut <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Mudflat <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flats <input type="checkbox"/>	
CHOKED CHANNEL (tick one box)			
Is 33% or more of the channel choked with vegetation? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/>			
NOTABLE NUISANCE PLANT SPECIES: (tick 1 or 2)			
Giant Hogweed <input type="checkbox"/>	Himalayan Balsam <input type="checkbox"/>	Japanese Knotweed <input type="checkbox"/>	Other? State <u>Nettle</u>
BRIEF DESCRIPTION: (Use prompts and key words at appropriate points in the sentences)			
Descriptive sentence: <u>Silted below road bridge. Low moving stream</u>			
Plants of note: _____			
Major conservation features: _____			
Major impacts: <u>Significant amount of poaching on right bank</u>			
Incidental observations (animals etc): _____			
IF 2 or more may be taken, tick relevant box			
DISEASED ALDERS (tick one box)			
None <input checked="" type="checkbox"/>	Present <input type="checkbox"/>	Extensive <input type="checkbox"/>	Other diseased trees? State _____

PLEASE

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BN

Envelopes supplied! Post completed films for processing - labels supplied 48 strips

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source(km) _____ Significant tributary ? _____ Navigation ? _____

B FIELD SURVEY DETAILS

Reference network site number: 3952

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: T155395 River: level Navigation to level

Date 5.15.1995 Time: 08:10 Surveyor name: MDV H0 NG FWD

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state light rain, bed not visible

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) with site map

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ asymmetrical floodplain

☐ concave/bowl ☐ asymmetrical floodplain + notes on T155395

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 11 then indicate total number)

Riffles _____ Unvegetated point bars _____

Pools _____ Vegetated point bars _____

IFE - mid - see also 100011

National Rivers Authority

DATES: head 10/5 planned visited details

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ of site ☐ downstream ☐ (tick one)

LEFT BANK looking downstream

Bank material (fine) FA, CO, GL, SL, FE, CL

Bank modification(s) ☐ NO, SL, FE, CL, EN, AN

Bank feature(s) ☐ NO, SL, FE, CL, EN, AN

CHANNEL NOTE - Use numbers for aspects of channel

Channel substrate (fine) FA, CO, GL, SL, FE, CL

Flow type (fine) SM, SH, SP, SN, SD

Channel modification(s) ☐ NO, SL, FE, CL, EN, AN

Channel feature(s) ☐ NO, SL, FE, CL, EN, AN

RIGHT BANK looking downstream

Bank material (fine) FA, CO, GL, SL, FE, CL

Bank modification(s) ☐ NO, SL, FE, CL, EN, AN

Bank feature(s) ☐ NO, SL, FE, CL, EN, AN

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide point bar)

Land use: choose one from RL, CP, HL, SC, SP, WL, OR, IL, BU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) RAVINE

LEFT BANK FACE (structure) RAVINE

RIGHT BANK FACE (structure) RAVINE

RIGHT BANK-TOP (structure within 1m) RAVINE

LAND USE WITHIN 5m OF BANKTOP (R)

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry per 10m wide zone or 10m wide channel)

NONE (tick) Plantagenet (Hortensis)

Phragmites

Scirpus

Algae

Free-floating _____

Amphibious _____

Submerged _____

Submerged floating-leaved _____

Filamentous algae _____

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

NOTES - Use 11 to indicate of banks to be assessed + species of plants eg Potamogeton pectinatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or F if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

III BANK PROFILES (Use E (to 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embedded		
			Set-back embankments		

IV EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☐ Isolated/heathered ☐ Regularly spaced, single ☐ Occasional clumps ☐ Semi-continuous ☐ Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

None ☐ Present ☐ None ☐ Present ☐

Overhanging boughs ☐ Exposed bankside roots ☐ Underwater tree roots ☐ Fallen trees ☐ Colours/woody debris ☐

V EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None ☐ Present ☐ None ☐ Present ☐

Waterfall(s) - free-fall ☐ Cascade(s) - chute ☐ Step/pool sequence ☐ Rapid(s) - whitewater ☐ Riffle-pool sequence ☐ Run(s) - slanted, rippled ☐ Boil(s) - upwellings ☐ Glide(s) - smooth, no eddies ☐

Marginal deadwater - slack ☐ Exposed bedrock ☐ Exposed boulders ☐ Unvegetated mid-channel bars ☐ Vegetated mid-channel bars ☐ Mature island(s) ☐ Unvegetated side bars ☐ Vegetated side bars ☐

Have you completed your sweep-up from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	<u>25</u>	Banktop height (m)
Banktop width (m)	<u>8</u>	Banktop width (m)
Banktop height (m)	<u>25</u>	Banktop height (m)
Banktop width (m)	<u>8</u>	Banktop width (m)

If transect lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (IFE only) _____

M ARTIFICIAL FEATURES (Use 11 to indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Entire site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State _____

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) _____

Braided/side channels ☐ Natural open water ☐ Cuts ☐

Debris dams ☐ Water meadows ☐ Marsh ☐

Leafy debris ☐ Fern ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 11 to indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

R RIVER DESCRIPTION (Use appropriate box(es))

Descriptive notes: disused Navigation channel; straight slow flowing river

Flats of note: downstream just downstream of weir falling over a steep weir

Major conservation features: _____

Major impacts: _____

Incidental observations (animals etc): WATER

IFE Channel (tick one box)




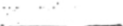

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other (state) _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for printing - labels supplied separately

BACKGROUND MAP-BASED INFORMATION		
Altitude(m)	Slope (m/m)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(m)	Significant tributary ?	Navigation ?

FIELD SURVEY DETAILS	
Reference network site number: <u>393</u>	
Mid-section grid reference of network site if different from designated location:	
COMPLETE THIS FOLLOWING FOR ALL SITES	
Grid Reference: <u>T222381</u>	River: <u>IVEL</u>
Date: <u>5/15/1995</u> Time: <u>11:20</u>	Surveyor name (write or add) <u>GC</u>
Adverse conditions affecting survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes: <input type="checkbox"/> If yes, state:	
Bed of river visible? <input type="checkbox"/> No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input type="checkbox"/> (tick one box)	
Photographs: general character? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (tick one box) <u>Site Map</u>	
Site surveyed from: <input checked="" type="checkbox"/> left bank <input type="checkbox"/> right bank <input type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)	
C. PREDOMINANT VALLEY FORM (tick one box only)	
 <input type="checkbox"/> shallow yes	 <input type="checkbox"/> terraced valley floor
 <input type="checkbox"/> symmetrical floodplain	 <input checked="" type="checkbox"/> asymmetrical floodplain
 <input type="checkbox"/> gorge	<input type="checkbox"/> concave bowl
D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)	
Riffles	Unvegetated point bars
Pools	Vegetated point bars

IF 6 - MOD - SEE APPENDIX 2

National Rivers Authority

DATES, Recd 10/5 prepared validated detailed
P49428, TL checks

Rifles *1* Pools *1* Unvegetated point bars *1* Vegetated point bars *1*

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (J) Max. L per line J Total (J)

Spot check 1 is at upstream and downstream ☒ of site (J) (J) (J) (J) (J) (J) (J) (J) (J) (J) (J)

LEFT BANK *lowry downstream*

Bank material (fine) *FE, LO, CO, GL, SL, PE, CL*

Bank modification(s) ☒ *NO, SL, RL, FC, JM, M*

Bank features(s) ☒ *NO, NO, J, C, FC, PE, JP, JP, JP*

CHANNEL NOTE *Use scale for areas of interest*

Channel substrate (fine) *SL, FE, LO, CO, GP, SL, SL, CL, M*

Flow type (fine) *FL, CLAW, UW, CL, SL, UP, SL, JP, NO*

Channel modification(s) ☒ *AK, NO, RL, SL, DA, JO*

Channel features(s) ☒ *NO, NO, M, V, SL, TE*

RIGHT BANK *lowry downstream*

Bank material (fine) *FE, LO, CO, GL, SL, PE, CL*

Bank modification(s) ☒ *NO, SL, RL, FC, JM, M*

Bank features(s) ☒ *NO, NO, J, C, FC, PE, JP, JP, JP*

F- BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide area)

Land use: choose one from SL, CP, HH, SC, PL, TP, CP, SL, TP, LU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK TOP (structure within 1m) *BAUSIC*

LEFT BANK FACE (structure) *BAUSIC*

RIGHT BANK FACE (structure) *BAUSIC*

RIGHT BANK TOP (structure within 1m) *BAUSIC*

LAND USE WITHIN 5m OF BANK TOP (R)

G- CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 15% area) or J (percent))

NONE put *Montgomery (Barr.)*

Emergent broad-leaved herbs *Algae*

Emergent reeds/ sedges/rushes *Cattail-like*

Flowering-leaved (grasses) *Carex*

Free-floating *Elodea*

Amphibious *Elodea*

Submerged *Elodea*

Submerged fine-leaved *Elodea*

Filamentous algae *Elodea*

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or ✓) †

II LAND USE WITHIN 50m of BANKTOP. Use E ($\geq 33\%$ banklength) or F if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (fig bog, marsh, fen) (WZ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)		✓	Tilled land (TL)		✓
Rough pasture (RP)	E	E	Suburban/urban development (SU)		

1. **BANK PROFILES:** Use E ($\geq 33\%$ banklength) or F if present

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/unrooted			Reinforced		✓
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)		E E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-steps		
Use this space to draw profile if different from above, after taking predominant bank			Poached		
			Embanked		✓
			Set-back embankment		

J. **EXTENT OF TREES AND ASSOCIATED FEATURES**

TREES (Tick one box per bank)	Left	Right	WATER	Use E ($\geq 33\%$ banklength) or F if present	None	Present	Notes
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ASSOCIATED FEATURES (Tick one box per feature)							
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

K. **EXTENT OF CHANNEL FEATURES (Tick one box per feature)**

	None	Present		None	Present	Notes
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - stock	<input type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	
Boll(s) - spillways	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>				

Have you completed your enquiries for this week? (send to FWD for signature!)

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)			
LEFT BANK	Bank top width (m)	11.5	RIGHT BANK
Bank top height (m)	Water width (m)	7.5	Bank top height (m)
Banked height (m)	Water depth (m)	0.3	Banked height (m)
If machine lower than bank-top break in slope, indicate: height (m) _____ width (m) _____			
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/> pick one box: Slope (IFE only) _____			
MAN-MADE ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)			
None <input checked="" type="checkbox"/>	Number of Culverts = _____	Weirs = _____	Outfalls = _____
	Footbridges = _____	Roadbridges = _____	Other = _____
Is water level controlled by weir/dam downstream? No <input type="checkbox"/> Part of site <input type="checkbox"/> Most/whole of site <input checked="" type="checkbox"/>			
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)			
dragging <input checked="" type="checkbox"/>	mowing <input type="checkbox"/>	Other ? State _____	
weed-cutting <input type="checkbox"/>	enhancement <input checked="" type="checkbox"/>		
O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))			
CHANNEL (Floodplain (see sketch))			
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bag <input type="checkbox"/>	Other (state) _____
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Cart <input type="checkbox"/>	
Debris dams ¹ <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris ² <input type="checkbox"/>	Fan <input type="checkbox"/>	Flush <input type="checkbox"/>	
CHOKED CHANNEL (Tick one box)			
Is 33% or more of the channel choked with vegetation? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			
Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10) None (tick box)			
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other ? State Nettles.....			
R F BRIEF DESCRIPTION (Use premises and key words as appropriate) (See Section 5)			
Descriptive sentence: <i>Shrubby channel upstream of weir, layer of silt over gravel.</i>			
Plants of note: _____			
Major conservation features: _____			
Major impacts: _____			
Incidental observations (animals etc): <i>Cap</i>			
IFE 2 <i>Channel straight to weir</i> <input checked="" type="checkbox"/> <i>Riffled</i> <input type="checkbox"/>			
S DISEASED ALDERS (Tick one box)			
None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other disease trees? State _____			
SEND COMPLETED FORM TO: JOHN DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB			

Envelopes supplied! Post completed films for processing - labels supplied as above

NRA RIVER HABITAT SURVEY 1995: IFB P-A-A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3954

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES *UN-NAMED TRS & LEE*

Grid Reference: TL 306307 River: T8, T9, P4, I-AK, T8, T9

Date 7/1/1995 Time: 09:30... Surveyor name: G. M. L. W. (106) P.W.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) *with site map*

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFB = 1-10 - see survey manual

National Rivers Authority

Notes: Record ground water level details

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles Unvegetated point bars Vegetated point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream end of riffle (tick one)

LEFT BANK: Bank material (fine) EA EA EA EA EA EA EA EA EA EA

Bank modification(s) RS RS RS RS RS RS RS RS RS RS

Bank feature(s) NO NO NO NO NO NO NO NO NO NO

CHANNEL NOTE: Use vegetation code

Channel substrate (fine) SP SP SP SP SP SP SP SP SP SP

Flow type (fine) NO NO NO NO NO NO NO NO NO NO

Channel modification(s) NO NO NO NO NO NO NO NO NO NO

Channel feature(s) NO NO NO NO NO NO NO NO NO NO

RIGHT BANK: Bank material (fine) EA EA EA EA EA EA EA EA EA EA

Bank modification(s) RS RS RS RS RS RS RS RS RS RS

Bank feature(s) NO NO NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide stretch)

Land use: choose one from RL, CP, VM, SC, RT, VZ, OW, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) TL TL TL TL TL TL TL TL TL TL

LEFT BANK-TOP (structure within 1m) EUBAC U U U U U U U U U U

LEFT BANK FACE (structure) EUBAC S S S S S S S S S S

RIGHT BANK FACE (structure) EUBAC S S S S S S S S S S

RIGHT BANK-TOP (structure within 1m) EUBAC U U U U U U U U U U

LAND USE WITHIN 5m OF BANK TOP (R) TL TL TL TL TL TL TL TL TL TL

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (to 33% area) or F (greater))

NONE (tick) ☒ Plantgreen (fast-flow)

Liverworts ☐ mosses/lichens ☐ Emergent broad-leaved herbs ☐ Emergent reeds/rushes ☐ Floating-leaved (rooted) ☐ Free-floating ☐ Amphibious ☐ Submerged broad-leaved ☐ Submerged fine-leaved ☐ Filament, algae ☐

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use 1-10 for density of biomass of plants in vegetation + species if possible or note part of vegetation percentage

Repeat 1

SITE NO. 3954 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or F if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WJ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (to 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composites			Artificial two-stage		
Use this space to draw profile if different from above, after drawing profiled bank					

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
None	Left	Right	None	Present E	Notes
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None	Present E	Notes
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater - slack
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars

Have you completed your enquiries for this week? (send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	6.0	RIGHT BANK
Banktop height (m)	2.25	Water width (m)	ND
Banktop height (m)	ND	Water depth (m)	ND
Banktop height (m)	ND	Banking height (m)	2.0
Banktop height (m)	ND	Embankment height (m)	ND

If trathline lower than banktop break in slope, indicate: height (m) 1.0 width (m) 2.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ *DRY*

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-10 to indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 1 Weirs = Roadbridges = Outfalls = Feeds =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of hole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/rude channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Loose debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Bog <input type="checkbox"/>
	Carr <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flora <input type="checkbox"/>

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 to indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: DRY RS channel - hardworn of some trees on right

Plants of note: (see list) GP substrate

Major conservation features: RS banks

Incidental observations (animals etc): Fox den in side of banks

IFB channel only by 2.1/1995

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied on site

NRA RIVER HABITAT SURVEY 1995: IFA P-1-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3955

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TL464381 River: Great Ouse

Date 18.05.1995 Time: 13.05..... Surveyor name: J.B. 74 PM 14 AK 76

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) with site log on!

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/notes to accompany

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFA - Ind - See notes on page 1

National Rivers Authority

DATES: Record
P-1-12.7L

framed

initials

details

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles Pools Unvegetated point bars Vegetated point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide cone) (tick one box)

Spot check 1 is at: upstream end ☐ of site ☒ (tick one)

LEFT BANK: looking downstream

Bank material (one) ☒ FA ☐ FA ☐ FA ☐ FA ☐ FA ☐ FA ☐ FA ☐ FA

Bank modification(s) ☒ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO

Bank feature(s) ☒ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO

CHANNEL NOTE: Use the scale for assessment of channel

Channel substrate (one) ☒ CL ☐ CL ☐ CL ☐ CL ☐ CL ☐ CL ☐ CL ☐ CL

Flow type (one) ☒ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO

Channel modification(s) ☒ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO

Channel feature(s) ☒ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO

RIGHT BANK: looking downstream

Bank material (one) ☒ FA ☐ FA ☐ FA ☐ FA ☐ FA ☐ FA ☐ FA ☐ FA

Bank modification(s) ☒ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO

Bank feature(s) ☒ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide pasture)

Land use: choose one from RL, CP, DM, SC, PP, WL, OW, NO, TL, TU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUSC

LEFT BANK FACE (structure) BAUSC

RIGHT BANK FACE (structure) BAUSC

RIGHT BANK-TOP (structure within 1m) BAUSC

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (to 1% area) or F (percent))

NONE (tick) Plant genera (tick one)

Emergent broad-leaved herbs

Emergent reeds/sedges/rushes

Phragmites (rooted)

Free-floating

Amphibious

Scholaria - broad-leaved

Submerged floating-leaved

Filamentous algae

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use not 4 letters of genus + species if possible eg Potamogeton pectinatus

Repeat 1 3955

SITE NO. NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or F if present)

Broadleaved woodland (BL)

Coniferous plantation (CP)

Moorland/heath (MH)

Scrub (SC)

Rough pasture (RP)

Wetland (eg bog, marsh, fen) (WL)

Open water (OW)

Improved/semi-improved grass (IG)

Tilled land (TL)

Suburban/urban development (SU)

I BANK PROFILES (Use E (to 33% banklength) or F if present)

Natural/unmodified

Vertical/undercut

Vertical + toe

Steep (> 45°)

Gravel

Composite

Artificial/modified

Recessed

Reinforced - whole bank

Reinforced - top only

Reinforced - toe only

Artificial two-stage

Poached

Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None

Isolated/scattered

Regularly spaced, single

Occasional clumps

Semi-continuous

Continuous

ASSOCIATED FEATURES (Tick one box per feature)

Shading of channel

Overhanging boughs

Exposed bankside roots

Underwater tree roots

Fallen trees

Coarse woody debris

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall

Cascade(s) - chute

Step/pool sequence

Rapids(s) - whitewater

Riffle-pool sequence

Run(s) - disturbed, rippled

Roll(s) - upwellings

Glide(s) - smooth, no eddies

Marginal deadwater - slack

Exposed bedrock

Exposed boulders

Unvegetated mid-channel bars

Vegetated mid-channel bars

Mature island(s)

Unvegetated side bars

Vegetated side bars

Have you completed your squares from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m)

Banktop height (m)

Embankment height (m)

RIGHT BANK

Banktop height (m)

Embankment height (m)

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-11 indicates total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/b hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State

weed-cutting ☐ enhancement ☒

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high

Braided/side channels

Debris dams

Leafy debris

FLOODPLAIN (50m corridor)

Artificial open water

Natural open water

Water meadow

Fen

Bog

Carr

Marsh

Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-11)

Giant Hogweed

Himalayan Balsam

Japanese Knotweed

Other ? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Straight reseeded ditch, no sign of aquatic vegetation

Plants of note: Short lengths of standing water

Major conservation features:

Major impacts: Indications of high discharge previous winter

Incidental observations (animals etc):

IFA channel survey by John B. Fildes 13/10/95 water taken probably from pool runoff

S DISEASED ALDERS (Tick one box)








None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFA, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing. Labels supplied.

A BACKGROUND MAP-BASED INFORMATION			
Altitude(m)	Slope (m/m)	Flow category (1-10)	
Solid geology code	Drift geology code	Planform category	
Distance from source(km)	Significant tributary ?	Navigation ?	

B FIELD SURVEY DETAILS	
Reference network site number: 3056	
Mid-section grid reference of network site if different from designated location:	
COMPLETE THE FOLLOWING FOR ALL SITES	
Grid Reference: TL585360	River: Pant / Colae
Date: 18/5/1995 Time: 11.15	Surveyor name: J. B. P. H. L. A. K. (Don)
Adverse conditions affecting survey?	No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state:
Bed of river visible?	No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input type="checkbox"/> (tick one box)
Photographs: general character? No <input type="checkbox"/> Yes <input type="checkbox"/> (tick one box)	Special features: <input type="checkbox"/> (tick one box)
Site surveyed from:	left bank <input checked="" type="checkbox"/> right bank <input type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)	
 <input checked="" type="checkbox"/> shallow vee	 <input type="checkbox"/> terraced valley floor
 <input type="checkbox"/> deep vee	 <input type="checkbox"/> symmetrical floodplain
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain
 <input type="checkbox"/> concave/bowl	+ NOTE/ADD DIAGRAM

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)	
Riffles 30	Unvegetated point bars 8
Pools 9	Vegetated point bars

IF E - M - S - See over page 12

National Rivers Authority

Riffles, rapids, pools, falls, etc. Unvegetated point bars. Vegetated point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 5m wide zone) (3) (4) (5) (6) (7) (8) (9) (10)

Spot check 1 is at upstream end of site
down stream

Spot check 1 is at upstream end of site down stream	1	2	3	4	5	6	7	8	9	10
LEFT BANK looking downstream										
Bank material (fine) <i>KL, CO, GL, S, L, F, CL, G</i>	GS	FA	GA	FA	EA	FA	EA	FA	FA	FA
Bank modification(s) <i>NO, RL, RL, FC, RL, EL, W</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <i>NO, NO, SC, SC, FP, FP, SP, VS</i>	NO	SC	SC	SC	SA	BS	NO	SC	SC	NO
CHANNEL NOTE <i>Use within 5m area of interest</i>	↓ fair bridge									
Channel substrate (fine) <i>KL, SC, RL, CO, GL, S, L, F, CL, G</i>	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type (fine) <i>FF, CHAN, UN, GL, SP, SP, SP, SP, NO</i>	SRI	SRI	NP	NP	UN	UN	NP	UN	SRI	SRI
Channel modification(s) <i>NO, NO, RL, RL, FC, RL, EL, W</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <i>NO, NO, SC, SC, FP, FP, SP, VS</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK looking downstream										
Bank material (fine) <i>KL, CO, GL, S, L, F, CL, G</i>	FA	FA	FA	FA	GS	FA	FA	FA	FA	FA
Bank modification(s) <i>NO, RL, RL, FC, RL, EL, W</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <i>NO, NO, SC, SC, FP, FP, SP, VS</i>	SA	NO	NO	NO	NO	SC	NO	SC	NO	SA
F. CHANNEL LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide stretch)										
Land use: choose one from RL, CP, MR, SC, RP, RL, OR, IS, TL, IU										
LAND USE WITHIN 5m OF BANK TOP (L)	RL	CP	RL	CP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m) <i>NR/SC</i>	U	U	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) <i>NR/SC</i>	U	U	U	S	S	S	S	U	U	U
RIGHT BANK FACE (structure) <i>NR/SC</i>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) <i>NR/SC</i>	S	U	S	S	S	U	S	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use R (to 33% area) or J (percent)										
NONE (list)										
Plant group (list in R)										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Flowering-leaved (woody)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-linear-leaved										
Filament, algae										
Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)										

PLANTS - Use list within of stream or list of vegetation species if possible or note point of vegetation pastures

SITE NO.	NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP				Page 3 of 3		
II. LAND USE WITHIN 50m OF BANKTOP Use E (≥ 33% banklength) or ✓ if present							
	L	R		L	R		
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)				
Coniferous plantation (CP)			Open water (OW)				
Moorland/heath (MH)			Improved/semi-improved grass (IG)				
Scrub (SC)			Tilled land (TL)			E	
Rough pasture (RP)	E		Suburban/urban development (SU)				
I. BANK PROFILES Use E (≥ 33% banklength) or ✓ if present							
Natural/unmodified	L	R	Artificial/modified	L	R		
Vertical/undercut		✓	Reexcavated				
Vertical + toe		✓	Reinforced - whole bank				
Slope (> 45°)		E	Reinforced - top only				
Gentle			Reinforced - toe only				
Composite			Artificial two-stage				
Use this space to draw profile if different from above, after initial predetermined box			Pitched				
			Embanked				
			Set-back embankments				
J. EXTENT OF TREES AND ASSOCIATED FEATURES							
TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)				
	Left	Right	WYES	E 2/3/5	None	Present E	NOTED
None	<input type="checkbox"/>	<input type="checkbox"/>					✓
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>					✓
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>					✓
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>					✓
Semi-continuous	✓	✓			✓		✓
Continuous	<input type="checkbox"/>	<input type="checkbox"/>				✓	
			Shading of channel				<input type="checkbox"/>
			Overhanging boughs				<input type="checkbox"/>
			Exposed bankside roots				<input type="checkbox"/>
			Underwater tree roots				<input type="checkbox"/>
			Fallen trees				<input type="checkbox"/>
			Coarse woody debris				<input type="checkbox"/>
K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)							
	None	Present E		None	Present E	NOTED	
Waterfall(s) - free-fall	✓	<input type="checkbox"/>		Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	✓	<input type="checkbox"/>		Exposed bedrock	✓	<input type="checkbox"/>	
Step/pool sequence	✓	<input type="checkbox"/>		Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - white-water	✓	<input type="checkbox"/>		Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input type="checkbox"/>	✓	✓	Vegetated mid-channel bars	✓	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input type="checkbox"/>	✓		Mature island(s)	✓	<input type="checkbox"/>	
Boil(s) - upwellings	✓	<input type="checkbox"/>		Unvegetated side bars	✓	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	✓		Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your expenses for this week? (send to FWD for signature!)

CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK		RIGHT BANK	
Banktop width (m)		Banktop width (m)	
Banktop height (m)	1.3	Banktop height (m)	1.5
Embankment height (m)		Embankment height (m)	

If threshold lower than banktop break in slope, indicate: 0 height (m) 2 width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

3. ARTIFICIAL FEATURES (Use 1-10 to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 1 Outfalls = 0 Fords = 1

Footbridges = 1 Other = 0

Is water level controlled by weirs/dam downstream? No ☒ Yes ☐ Part of site ☐ ☐ Most/whole of site ☐

4. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State _____

weed-cutting ☐ enhancement ☐

5. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/wide channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input checked="" type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>

6. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

7. NOTABLE NUISANCE PLANT SPECIES (Use 1-5 or E for extensive)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

8. BRIEF DESCRIPTION (Use present and 1st word as appropriate)

Descriptive sentence: Long established channel beside a long drive road; deep channel

Phrase of note: _____

Major conservation features: Nature trees

Major impacts: Low drains from intensive agricultural field

Incidental observations (animals etc): _____

IFE channel type by IFE B filtered B

9. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State _____

SEND COMPLETED FORM TO: HOWD GUNSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: IFB, P.1.A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3957
Mid-section grid reference of network site (if different from designated location):
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: TL624362 River: Pant/Celnie
Date 18.1.5/1995 Time: 10.00 Surveyor name: J.B. M. P.H. 14 AK (FEB)
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box) Site No. on Board
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes/other description

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 3 Unvegetated point bars
Pools Vegetated point bars
IFE - Ind - See notes page 2

National Rivers Authority

J.B. M. P.H.
Pant/Celnie

18.1.5/1995

10.00

J.B. M. P.H.

14 AK

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream end ☐ of site ☒ (Tick one)
LEFT BANK (looking downstream)

Bank material (fine)	FA	EN	FA	CA	FA	CA	FA	FA	FA	FA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

CHANNEL NOTE: Use on the left bank of the channel
Channel substrate (fine) FA FA FA FA FA FA FA FA FA FA FA
Flow type (one) FA FA FA FA FA FA FA FA FA FA FA
Channel modification(s) NO NO NO NO NO NO NO NO NO NO NO
Channel feature(s) NO NO NO NO NO NO NO NO NO NO NO
RIGHT BANK (looking downstream)

Bank material (fine)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANK-TOPOGRAPHY AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MV, SC, IP, WL, OP, H, R, SU
LAND USE WITHIN 5m OF BANKTOP (L)

1	2	3	4	5	6	7	8	9	10
1	1	1	1	1	1	1	1	1	1

LEFT BANK TOP (structure within 1m) BL/SC
LEFT BANK FACE (structure) BL/SC
RIGHT BANK FACE (structure) BL/SC
RIGHT BANK TOP (structure within 1m) BL/SC
LAND USE WITHIN 5m OF BANK TOP (R)

1	2	3	4	5	6	7	8	9	10
1	1	1	1	1	1	1	1	1	1

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use R (≥ 3% area) or / (percent))

NONE (tick)
Emergent broad-leaved herbs
Emergent narrow-leaved herbs
Submerged broad-leaved
Submerged narrow-leaved
Floating-leaved (exposed)
Free-floating
Amphibious
Submerged - broad-leaved
Submerged - narrow-leaved
Filamentous, algae

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

PLANTS - Use 1-10 to indicate frequency of plants in the vegetation + species if possible of plants part of the vegetation

3957

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

Left	Right	Left	Right
Broadleaf/maize woodland (BL)		Wetland (eg bog, marsh, fen) (WL)	
Coniferous plantation (CP)		Open water (OW)	
Moerland/heath (MH)		Improved/semi-improved grass (IG)	F
Scrub (SC)		Tilled land (TL)	F
Rough pasture (RP)		Suburban/urban development (SU)	

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

Natural/unmodified	Left	Right	Artificial/modified	Left	Right
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking pre-measured box					
	Patched				
	Embanked				
	Set-back embankment				

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	Notes	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	Notes
None				Shading of channel			
Isolated/heather				Overhanging boughs			
Regularly spaced, single				Exposed bankside roots			
Occasional clumps				Underwater tree roots			
Semi-continuous				Fallen trees			
Continuous				Coarse woody debris			

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall	None	Present	Notes	Marginal deadwater - silt	None	Present	Notes
Cascades(s) - chute				Exposed bedrock			
Step/pool sequences				Exposed boulders			
Rapid(s) - whitewater				Unvegetated mid-channel bars			
Riffle-pool sequences				Vegetated mid-channel bars			
Rune(s) - disturbed, rippled				Moist island(s)			
Boil(s) - upwellings				Unvegetated side bars			
Glide(s) - smooth, no eddies				Vegetated side bars			

Have you completed your sweep for this week? (Send 4 FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	6	RIGHT BANK
Banktop height (m)	1.5	Banktop height (m)	1.5
Embankment height (m)	0.1	Embankment height (m)	

If trassline lower than banktop break in slope, indicate: height (m) width(m)
Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐
Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10 to indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most of site ☐
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ moving ☐ Other? State:
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 2m high	Artificial open water
Bruides/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Carr
	Marsh
	Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10 to indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive notes: Semi-shrubland channel with extensive silt deposits with extensive emergent channel vegetation
Plants of note:
Major conservation features:
Major impacts:
Incidental observations (animals etc):

IFE - Channel sweep by J.B. M. P.H. 18.1.5/1995

S OTHER DISASTERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other disaster? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 4BB

Envelopes supplied! Post completed form for processing - labels supplied

NRA RIVER HABITAT SURVEY 1995: 17A, P-4A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION:

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Platform category _____

Distance from source(km) _____ Significant tributary ? _____ Navigation ? _____

B FIELD SURVEY DETAILS:

Reference network site number: 3959

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TLS16316 River: BELCHAMP CREEK

Date: 15/1995 Time: 14:10 Surveyor name: Mike & Sue

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with site map? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain + watercourse

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1 if then in first total number)

Riffles: 7 Unvegetated point bars: 3

Pools: 6 Vegetated point bars: _____

IFE = 17A - Sweetwater (1995)

National Rivers Authority

JMES, Record
ground
valley
channel

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles: 11 Pools: 11 Unvegetated point bars: 11 Vegetated point bars: 11

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide zone)

Spot check 1 is at: upstream end ☐ of site ☒ downstream end ☐ (tick one)

LEFT BANK (looking downstream)

Bank material (fine) ☒ coarse ☐ silt/clay ☐ gravel ☐ sand ☐ pebbles ☐ cobbles ☐ boulders ☐ (tick one)

Bank modification(s) ☒ none ☐ (tick one)

Bank features(s) ☒ none ☐ (tick one)

CHANNEL (looking downstream)

Channel substrate (fine) ☒ coarse ☐ silt/clay ☐ gravel ☐ sand ☐ pebbles ☐ cobbles ☐ boulders ☐ (tick one)

Flow type (fine) ☒ none ☐ (tick one)

Channel modification(s) ☒ none ☐ (tick one)

Channel features(s) ☒ none ☐ (tick one)

RIGHT BANK (looking downstream)

Bank material (fine) ☒ coarse ☐ silt/clay ☐ gravel ☐ sand ☐ pebbles ☐ cobbles ☐ boulders ☐ (tick one)

Bank modification(s) ☒ none ☐ (tick one)

Bank features(s) ☒ none ☐ (tick one)

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: choose one from 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

LAND USE WITHIN 5m OF BANKTOP (0) ☒ (tick one)

LEFT BANK TOP (structure within 5m) ☒ (tick one)

LEFT BANK FACE (structure) ☒ (tick one)

RIGHT BANK TOP (structure within 5m) ☒ (tick one)

RIGHT BANK FACE (structure) ☒ (tick one)

LAND USE WITHIN 5m OF BANK TOP (0) ☒ (tick one)

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry per 10% area of stream)

NONE ☒ (tick one)

Emergent ☐ Submerged ☐ Floating-leaved ☐ (tick one)

Free-floating ☐ Amphibious ☐ Submerged ☐ Floating-leaved ☐ (tick one)

Use red "check all" column for types not occurring in spot checks as well as overall assessment over 100m (see E or F)

Use red "check all" column for types not occurring in spot checks as well as overall assessment over 100m (see E or F)

NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E in 10% banklength) or if present

	L	R		L	R
Broadleaved woodland (BL)		<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)		
Coastal plantations (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Tilled land (TL)		
Frugh pasture (FP)	<input checked="" type="checkbox"/>		Suburban/urban development (SU)		

I BANK PROFILES (Use E in 10% banklength) or if present

	L	R		L	R
Natural/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial/unmodified		
Vertical/industrial	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced		
Vertical + low	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank		
Slope (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Grass	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only		
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage		
			Reinforced		
			Set-back reinforced		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	WATER	E in 10%	None	Present E	Notes
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Regularly spaced, single	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E	Notes
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Cascade(s) - close	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Step/pool sequences	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Rapid(s) - white-water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Riffle pool sequences	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Rune(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Beil(s) - bywells	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Have you completed your expenses from this week? (Send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Right bank	RIGHT BANK
Backstop width (m)	<u>4.5</u>	
Backstop height (m)	<u>1.5</u>	Backstop height (m) <u>1.75</u>
Banktop height (m)	<u>0.7</u>	Banktop height (m) <u>0.75</u>
Water width (m)	<u>1.25</u>	Water width (m) <u>0.25</u>
Water depth (m)	<u>0.25</u>	Water depth (m) <u>0.25</u>

M ARTIFICIAL FEATURES (Use E in 10% banklength) or if present

None ☒ Number of ☐ Culverts = ☐ Weirs = ☐ Other = ☐ (tick one)

N EVIDENCE OF RICE MANAGEMENT (tick appropriate box)

drilling ☐ mowing ☐ Other? State: _____

weeding ☐ enrichment ☐ Other? State: _____

O FEATURES OF SPECIAL INTEREST (tick appropriate box)

Channel ☐ Floodplain (50m center) ☐ Artificial open water ☐ Big ☐ Other (state) _____

Exposed bedrock ☐ Natural open water ☐ Cuts ☐ Marsh ☐ (tick one)

Debris dams ☐ Water meadow ☐ Flush ☐ (tick one)

P GEOMORPHIC CHANNEL (tick one box)

In 10% or more of the channel checked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use E in 10% banklength) or if present

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: Nettle

R BRIEF DESCRIPTION (Use pointer and key words as appropriate)

Descriptive statement: Wetland meadowy bank, woodland on right bank

Plants of note: extensive willow woodland

Major conservation features: _____

Major impacts: _____

Incidental observations (animals etc): _____

S DISEASED TREES (tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: _____

SEND COMPLETED FORM TO: HUGH PARSON, IFR, RIVER LABORATORY, EAST STONE, WILKINSON, BIRMINGHAM, B38 8LB

Envelopes supplied! Post completed form for processing - labels supplied

NRA RIVER HABITAT SURVEY 1995: 1st & 2nd Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3960
Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TL925330 River: S2R2
Date: 20/7/1995 Time: 13:45 Surveyor name: J.B. 7th PM 16 AK 70m
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Photographs: general character? No ☐ Yes ☐ (tick one box) with site map!
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + water/mud deposition

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles Unvegetated point bars
Pools Vegetated point bars

IF E = 11 - see page 1 of 4

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ At site ☒ downstream end ☐ (tick one box)

LEFT BANK (looking downstream)

Bank material (fine) BE, CO, CL, EA, FE, GL
Bank modification(s) NO, PL, PU, PC, BN, EN
Bank feature(s) NO, NO, EC, SC, ST, ST, ST, ST
CHANNEL NOTE: Use suitable for aspect of channel
Channel substrate (fine) NY, AL, RO, CO, GP, SI, SI, CL, CL
Flow type (fine) FF, CL, BW, UP, CL, SP, AP, SM, AP, NO
Channel modification(s) NO, NO, EC, SC, ST, ST, ST, ST
Channel feature(s) NO, NO, EC, SC, ST, ST, ST, ST

RIGHT BANK (looking downstream)

Bank material (fine) BE, CO, CL, EA, FE, GL
Bank modification(s) NO, PL, PU, PC, BN, EN
Bank feature(s) NO, NO, EC, SC, ST, ST, ST, ST

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from PL, CP, MH, SC, ST, PL, CP, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) LG, TL, SC, SU, F, Y, SC, SC, RP, W
LEFT BANK-TOP (structure within 1m) LG, S, S, U, R, U, U, U, U, U
LEFT BANK FACE (structure) LG, S, S, S, B, B, U, U, U, U
RIGHT BANK FACE (structure) LG, S, S, S, B, B, U, U, U, U
RIGHT BANK-TOP (structure within 1m) LG, S, S, U, U, S, U, U, U, S
LAND USE WITHIN 5m OF BANK TOP (R) LG, TL, SC, SU, F, Y, SC, SC, RP, W

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (2-33% area) or I (present))

NONE (tick) ☒ Plant species (Habitat)
Emergent broad-leaved herbs ☒ *Najas*
Emergent reeds ☒ *Phragmites*
Emergent sedges ☒ *Spartanum*
Floating-leaved (ground) ☒ *Scirpus*
Free-floating ☒ *Carex*
Amphibious ☐
Submerged - broad-leaved ☐
Submerged fine-leaved ☐
Filamentous algae ☐

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or I) ↑

PLANTS - Use tick in boxes of Green, 2-33% site vegetation + species if possible to Beta peak a Potamogeton pastures

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (2-33% banklength) or I if present)

Broadleaved woodland (BL) Wetland (eg bog, marsh, fen) (WL)
Coniferous plantation (CP) Open water (OW)
Moorland/heath (MH) Improved/stem-improved grass (IG)
Scrub (SC) Tilled land (TL)
Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (2-33% banklength) or I if present)

Natural/unmodified L R Artificial/modified L R
Vertical undercut ☒ Resettled ☐
Vertical + toe ☒ Reinforced - whole bank ☐
Slope (>45°) ☒ Reinforced - top only ☐
Grass ☒ Reinforced - toe only ☐
Composite ☒ Artificial two-stage ☐
Use 4th space to draw profile if different from above, after filling predominant box
Pierced ☐
Embedded ☐
Set-back embankments ☐

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank) ASSOCIATED FEATURES (Tick one box per feature)
None L R None Present E
Isolated/scattered ☒ Shedding of channel ☐
Regularly spaced, single ☐ Overhanging boughs ☐
Occasional clumps ☐ Exposed bankside roots ☐
Semi-conspicuous ☐ Underwater tree roots ☐
Conspicuous ☐ Fallen trees ☐
Conspicuous ☐ Coarse woody debris ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ Marginal deadwater - slack ☐
Cascades(s) - chute ☐ Exposed bedrock ☐
Step-pool sequences ☐ Exposed boulders ☐
Rapids(s) - white-water ☐ Unvegetated mid-channel bars ☐
Riffle-pool sequences ☐ Vegetated mid-channel bars ☐
Runs(s) - disturbed, rippled ☐ Mature islands ☐
Boils(s) - upwellings ☐ Unvegetated side bars ☐
Glides(s) - smooth, no eddies ☐ Vegetated side bars ☐

Have you completed your responses for this week? (send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) RIGHT BANK
Banktop height (m) 1 Water width (m) 35 Banktop height (m) 0.5
Embarked height (m) Water depth (m) 0.75 Embarked height (m)
If transition lower than banktop break in slope, indicate: height (m) width(m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/11 then indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = 0 Weirs = Roadbridges = Outfalls = Fords =
Footbridges = Part of site ☐ Most of site ☒
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most of site ☒

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box(es))

dragging ☐ moving ☐ Other ? State:
weed-cutting ☐ enhancement ☒

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/wide channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use I or E)

Giant Hogweed ☒ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State: *Nettle*

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: *Lowland river, no flow, controlled by weir downstream*
Phrase of note:
Major conservation features:
Major impacts: *adjacent road bed*
Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:
SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB
Envelopes supplied! Post completed form for forwarding - labels supplied separately

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3961
Mid-section grid reference of network site (if different from designated location):
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: TMC86331 River: Stour
Date: 12.6.1995 Time: 15.56 Surveyor name: J. M. H. P. M. I. G. A. K. (G. M.)
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: ...
Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box) with site 19 on!
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/other features

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles Unvegetated point bars
Pools Vegetated point bars
IFE - mod - see over page 3

National Rivers Authority

DATES: Record prepared validated date/line checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ of site downstream end ☒ (tick one box)

LEFT BANK (looking downstream)

Bank material (one) SE, SO, CO, GE, PE, CL FA FA FA FA FA FA FA FA FA FA
Bank modification(s) NW NO, SI, PC, SM, LM NO NO NO NO NO NO NO NO NO NO
Bank feature(s) NE, NO, EC, SC, PE, VP, SE, VS NO NO NO NO NO NO NO NO NO NO
CHANNEL NOTE - Use same scale as above for all sites
Channel substrate (one) NV, SE, SO, CO, GE, PE, CL, AR NV NV NV NV NV NV NV NV NV NV
Flow type (one) FF, CH, SW, UV, CF, SP, UP, SM, JP, NO NP NP NP NP NP NP NP NP NP NP
Channel modification(s) NE, NO, SI, PC, SM, LM NO NO NO NO NO NO NO NO NO NO
Channel feature(s) NE, NO, SI, PC, SM, LM NO NO NO NO NO NO NO NO NO NO
RIGHT BANK (looking downstream)

Bank material (one) SE, SO, CO, GE, PE, CL FA FA FA FA FA FA FA FA FA FA
Bank modification(s) NW NO, SI, PC, SM, LM NO NO NO NO NO NO NO NO NO NO
Bank feature(s) NE, NO, EC, SC, PE, VP, SE, VS NO NO NO NO NO NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, AP, WL, GW, RFL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BUI/SC

LEFT BANK FACE (structure) BUI/SC

RIGHT BANK FACE (structure) BUI/SC

RIGHT BANK-TOP (structure within 1m) BUI/SC

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry: use E (in 33% area) or F (present))

NONE (tick) ☒ Plant grass (not reed)
Liverworts ☐ Mosses/lichens ☐ ☒ Bryophytes
Emergent broad-leaved herbs ☒ Carex (broad)
Emergent narrow-leaved herbs ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒
Floating-leaved (rooted) ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒
Free-floating ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒
Amphibious ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Submerged broad-leaved ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Submerged fine-leaved ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Filament, algae ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANT 5 - Use tick boxes of groups of plants + species if possible of beta part of Potamogeton pectinatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F if present)

LEFT BANK

Broadleaved/woodland (BL) Wetland (eg bog, marsh, fen) (WL)
Coniferous plantation (CP) Open water (OW)
Moorland/heath (MH) Improved/semi-improved grass (IG)
Scrub (SC) Tilled land (TL)
Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (in 33% banklength) or F if present)

Natural/unmodified L R Artificial/modified L R
Vertical/undercut ☒ ☒ Resectioned ☐ ☐
Vertical + toe ☒ Reinforced - whole bank ☒ ☒
Steep (>45°) ☒ Reinforced - top only ☒ ☒
Gentle ☒ Reinforced - toe only ☒ ☒
Composite ☒ Artificial two-stage ☒ ☒
Use this space to draw profile of difference from above, after taking predominant form

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

Left Right Notes E (in 33%) None Present E Notes
None ☒ ☒ Shading of channel ☒ ☐ ☐
Isolated/scattered ☐ ☐ Overhanging boughs ☒ ☐ ☐
Regularly spaced, single ☐ ☐ Exposed bankside roots ☒ ☐ ☐
Occasional clumps ☐ ☐ Underwater tree roots ☒ ☐ ☐
Semi-continuous ☐ ☐ Fallen trees ☒ ☐ ☐
Continuous ☐ ☐ Coarse woody debris ☒ ☐ ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall None Present E Marginal deadwater - slack None Present E Notes
Cascade(s) - chute ☒ ☐ ☐ Exposed bedrock ☒ ☐ ☐
Step/pool sequence ☒ ☐ ☐ Exposed boulders ☒ ☐ ☐
Rapid(s) - whitewater ☒ ☐ ☐ Unvegetated mid-channel bars ☒ ☐ ☐
Riffle-pool sequence ☒ ☐ ☐ Vegetated mid-channel bars ☒ ☐ ☐
Run(s) - disturbed, rippled ☒ ☐ ☐ Mature island(s) ☒ ☐ ☐
Boil(s) - upwellings ☒ ☐ ☐ Unvegetated side bars ☒ ☐ ☐
Glides(s) - smooth, no eddies ☒ ☐ ☐ Vegetated side bars ☒ ☐ ☐

Have you completed your squares for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 20.5 **RIGHT BANK**
Banktop height (m) 0.3 Water width (m) 11.5 Banktop height (m) 0.3
Embanked height (m) 1.25 Water depth (m) — Embankment height (m) 1.2
If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/11 indicates total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Others =
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Moss/whole site ☒

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State: ...
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state): ...
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/11)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: ...

R BRIEF DESCRIPTION (Use prompt and key words as appropriate)

Descriptive sentence: Enriched meandering channel, unimpaired natural river.
Plants of note: Channel substrate and submerged vegetation well-maintained.
Major conservation features: Free-flowing water in the meanders.
Major impacts: Flood meadows with reedbeds, leaving if Shelduck.
Incidental observations (animals etc): Frequent dry, possible water pooling. Mudflats on meander twice estuary within 50 metres of right bank.

IFE 2 - channel only by letter B filtered

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: ...

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRENHAM, B120 6DB

Envelopes supplied! Post completed forms for processing. Labels supplied on request.

NRA RIVER HABITAT SURVEY 1995: IFE, P.14A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Platform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3962

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TM173355 River: Stour

Date: 12.6.1995 Time: 14.30 Surveyor name: G.C. M.B. NO. 116

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on the diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE = (R) + (P) + (B) = 0 + 0 + 0 = 0

National Rivers Authority

DATES: heard ground visited before

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Wetland (eg bog, marsh, fen) (WJ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		<input type="checkbox"/>
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)	<input type="checkbox"/>	<input type="checkbox"/>	Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/unreinforced	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Reinforced - whole bank	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Steep (> 45°)	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
Gentle	<input type="checkbox"/>	<input type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>
Composite	<input type="checkbox"/>	<input type="checkbox"/>	Poached	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked	<input type="checkbox"/>	<input type="checkbox"/>
			Set-back embankments	<input type="checkbox"/>	<input type="checkbox"/>

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per bank)

	Left	Right	Notes	E ≥ 33%	None	Present	E	Notes
None	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Semi-cohesive	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Cohesive	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	None	Present	E	Notes
Waterfalls - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cascades - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Step-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rapid - white-water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Runs - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Boulders - up-ripples	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Glides - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Have you completed your exposure from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (Mark position of feature (P))

Spot check 1 is at: upstream end ☐ of site ☒ (tick one)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK (looking downstream)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Bank material (one)	BE, BO, CO, CI, LA, PE, CL									
Bank modification(s)	NO, RI, RI, PC, BM, EN									
Bank feature(s)	AK, AN, JC, SC, FB, VP, SP, VS									
CHANNEL NOTE - Use in table for aspects of channel										
Channel substrate (one)	SV, BE, BO, CO, CP, SI, SI, CL, AR									
Flow type (one)	FF, CLW, VW, CF, SP, VP, SP, SP, NO									
Channel modification(s)	AK, NO, RI, RI, DA, FO									
Channel feature(s)	NO, FO, AR, VP, AR, TR									
RIGHT BANK (looking downstream)										
Bank material (one)	BE, BO, CO, CI, LA, PE, CL									
Bank modification(s)	NO, RI, RI, PC, BM, EN									
Bank feature(s)	AK, AN, JC, SC, FB, VP, SP, VS									

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, AP, VL, OW, NO, TL, EV

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m)	BL/SC									
LEFT BANK FACE (structure)	BL/SC									
RIGHT BANK-TOP (structure within 1m)	BL/SC									
RIGHT BANK FACE (structure)	BL/SC									
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or / if present)

	1	2	3	4	5	6	7	8	9	10
NONE (tick)										
Liverwort										
Mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/rushes										
Planting-leaved (rooted)										
Free-floating										
Amphibious										
Submerged - broad-leaved										
Submerged fine-leaved										
Filament, algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

PLANTS - Use UK 4th ed. of *British Flora* or *Flora of the British Isles* + species of possible *eg* *Potamogeton pectinatus*

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	4.5	4.5
Banktop height (m)	0.3	0.3
Water width (m)	3.5	3.5
Banktop height (m)	0.3	0.3
Water depth (m)	0.3	0.3
Banktop height (m)	0.3	0.3

If trashline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Footbridges = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: ☐

wood-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flush <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use / or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: ☐

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Very fine flowing stream, uniform complete. Silt bottom.

Plants of note: ☐

Major conservation features: Old willow pollards

Major impacts: lack of flow possible impact of reservoir impoundment.

Incidental observations (animals etc): ☐

IFE = (R) + (P) + (B) = 0 + 0 + 0 = 0

S DISEASED ALDKERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: ☐

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied.

NRA RIVER HABITAT SURVEY 1995 IFE M.A.A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3963

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TM215305 River: Ramsey Brook / Steady

Date: 17.1.1995 Time: 20:00 Surveyor name: JB, JW, PH, LG, AK, CB
(write or add) GC MLY NO 156 F=2








Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Dominant Photographs: general character? No ☐ Yes ☒ (tick one box) with site 12 on 1
Essential - return visits required if failure!

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl	+ NOTES/extra DIAGRAM	

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use H if then indicate total number)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

IFE - M.A.A - See 1995 1995 1995 1995

National Rivers Authority

DATES. Record

paired

validelet

data base

SITE NO. 3463 | NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP

II LAND USE WITHIN 50m OF BANKTOP Use E (≥ 33% banklength) or / if present								
	L	R		L	R			
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WZ)					
Coniferous plantation (CP)			Open water (OW)					
Moorland/heath (MH)			Improved/semi-improved grass (IG)	F	F			
Scrub (SC)			Tilled land (TL)					
Rough pasture (RP)		E	Suburban/urban development (SU)					
I BANK PROFILES Use E (≥ 33% banklength) or / if present								
Natural/unmodified	L	R	Artificial/modified	L	R			
Vertical/undercut			Reteced		F			
Vertical + toe			Reinforced - whole bank					
Steep (> 45°)			Reinforced - top only					
Gentle		F E	Reinforced - toe only					
Composite		✓	Artificial two-stage					
Use this space to draw profile of different from above, after taking predominant bias			Poached		✓	✓		
			Embanked					
			Set-back embankments					
J EXTENT OF TREES AND ASSOCIATED FEATURES								
TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)					
None	Left	Right	N % E	E ≥ 33%	None	Present	E	N % E
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
K EXTENT OF CHANNEL FEATURES (Tick one box per feature)								
	None	Present	E		None	Present	E	N % E
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ruin(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your expenses for this week? (send to FWD for signature!)

[illegible]

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or ✓) †

PLANTS - Use identification of Grasses → Potentilla Potamogeton
+ species if possible of Potamogeton Potamogeton pectinatus

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)					
LEFT BANK		Banktop width (m)		RIGHT BANK	
Banktop height (m)		Water width (m)		Banktop height (m)	
Embankment height (m)		Water depth (m)		Embankment height (m)	
If trashline lower than banktop break in slope, indicate: height (m) _____ width (m) _____					
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input checked="" type="checkbox"/>					
Location of measurement is: riffle <input type="checkbox"/> run or glide <input type="checkbox"/> other <input checked="" type="checkbox"/> (tick one box) Slope (IFE only) _____					
M ARTIFICIAL FEATURES (Use M) Indicate total number, tick "none" where appropriate) _____					
None <input type="checkbox"/>		Number of Culverts = _____ Weirs = _____ Outfalls = _____		Fords = _____	
		Footbridges = _____ Roadbridges = _____		Other = _____	
Is water level controlled by weir/dam downstream? No <input checked="" type="checkbox"/> Part of site <input type="checkbox"/> Most/whole of site <input type="checkbox"/>					
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box) _____					
dredging <input type="checkbox"/>		mowing <input type="checkbox"/>		Other? State _____	
weed-cutting <input type="checkbox"/>		enhancement <input type="checkbox"/>			
O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es)) _____					
CHANNEL		FLOODPLAIN (50m corridor)			
Waterfalls > 5m high <input type="checkbox"/>		Artificial open water <input type="checkbox"/>		Bog <input type="checkbox"/> Other (state) _____	
Braided/side channels <input type="checkbox"/>		Natural open water <input type="checkbox"/>		Carr <input type="checkbox"/>	
Debris dams <input type="checkbox"/>		Water meadow <input type="checkbox"/>		Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>		Fen <input type="checkbox"/>		Flush <input type="checkbox"/>	
P CHOKED CHANNEL (Tick one box) _____					
Is 33% or more of the channel choked with vegetation? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/>					
Q NOTABLE NUISANCE PLANT SPECIES (Use A or E, _____ with Rhithronus) _____					
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other? State _____					
R BRIEF DESCRIPTION (Use prompt and key words as appropriate) _____ "The Sentinel(s)" _____					
Descriptive sentence: The straight channel, remnant of a gravel channel.					
Plants of note: Highly natural					
Major conservation features: grassy					
Major impacts: Grazing of new grass extensive					
Incidental observations (animals etc):					
IFE 2-channel survey by John B. Fittered <input checked="" type="checkbox"/>					
S DISEASED ALDERS (Tick one box) _____					
None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other diseased trees? State _____					

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

DATE. Record	prepared	initialed	date/no checks
4-25-76			

'VTS' - Use 1st 4 labels of Grams of Pota & Pota negation
+ species if possible of Pota pest & Pota negation pestination

Have you completed your expenses for this week? (send to FWD for signature!)

Envelopes supplied! Post completed filter for processing - labels supplied & stamped

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? ☒ Navigation? ☒

B. FIELD SURVEY DETAILS

Reference network site number: 3965

Mid-section grid reference of network site if different from designated location:

COMPLETE THIS FOLLOWING FOR ALL SITES

Grid Reference: 5M878128 River: BRANDY BROOK

Date 17/11/1995 Time: 08:50 Surveyor name: J.B. JENKINS

Adverse conditions affecting survey? No ☐ Yes ☒ If yes, state: over night rain

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) Special features: Silt on bank!

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM: (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☒ asymmetrical floodplain

☐ concave/bowl + NOTE/with diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS: (Use 1-11 then indicate total number)

Riffles 11 Unvegetated point bars 2

Pools 2 Vegetated point bars 1

IFE (in 100m) = 500m (100m/100m)

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles (1-11) Pools (1-11) Unvegetated point bars (1-11) Vegetated point bars (1-11)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at upstream end of site ☒ (tick one)

LEFT BANK (looking downstream)

Bank material (fine) EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NO NO NO NO NO NO NO NO NO NO

Bank feature(s) SC NO NO SC NO NO NO NO NO NO

Channel note: Use scale factor

Channel substrate (fine) SP SP SP SP SP SP SP SP SP SP

Flow type (fine) RP RP RP RP RP RP RP RP RP RP

Channel modification(s) NO NO NO NO NO NO NO NO NO NO

Channel feature(s) NO NO NO NO NO NO NO NO NO NO

RIGHT BANK (looking upstream)

Bank material (fine) EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NO NO SC SC NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: choose one from BL, CP, SH, SC, RP, WL, OW, NO, R, SU

LAND USE WITHIN 5m OF BANKTOP (L) IL IL IL IL IL IL IL IL IL IL

LEFT BANK-TOP (structure within 1m) BAUSC SC SC SC SC SC SC SC SC SC SC

LEFT BANK FACE (structure) BAUSC SC SC SC SC SC SC SC SC SC SC

RIGHT BANK FACE (structure) BAUSC SC SC SC SC SC SC SC SC SC SC

RIGHT BANK-TOP (structure within 1m) BAUSC SC SC SC SC SC SC SC SC SC SC

LAND USE WITHIN 5m OF BANK TOP (R) RP BL BL BL BL BL BL SC SC BL SC BL

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or J (present))

NONE (tick) Plant genus (tick one)

Liverworts/mosses ☒

Emergent broad-leaved herbs ☒

Emergent reeds/rushes ☒

Flowering-leaved (woody) ☒

Free-floating ☒

Amphibious ☒

Submerged - broad-leaved ☒

Submerged fine-leaved ☒

Filamentous algae ☒

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)

PLANTS - Use H in table of genus & plant species + species if possible eg Potamogeton pectinatus

DATES: record planned visited follow checks

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or J (if present))

L R L R

Broadleaved woodland (BL) E Wetland (eg bog, marsh, fen) (WL)

Coniferous plantation (CP) Open water (OW)

Moorland/heath (MH) Improved/semi-improved grass (IG) ☒

Scrub (SC) Tilled land (TL)

Rough pasture (RP) Suburban/urban development (SU)

I. BANK PROFILES (Use E (in 33% banklength) or J (if present))

Natural/unmodified L R Artificial/modified L R

Vertical/undercut E E Retention ☒

Vertical + toe Reinforced - whole bank ☒

Steep (> 45°) Reinforced - toe only ☒

Gentle Reinforced - toe only ☒

Composite Artificial two-stage ☒

Use this space to draw profile if different from above, after scaling predominant line

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☒ Left ☒ Right ☒

Isolated/scattered ☐

Regularly spaced, single ☐

Occasional clumps ☐

Semi-continuous ☒

Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

Shading of channel ☒

Overhanging boughs ☒

Exposed bankside roots ☒

Underwater tree roots ☒

Fallen trees ☒

Coarse woody debris ☒

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☒

Cascade(s) - chute ☒

Step/pool sequence ☒

Rapid(s) - whitewater ☒

Riffle-pool sequence ☒

Run(s) - disturbed, rippled ☒

Boil(s) - upwellings ☒

Glides(s) - smooth, no eddies ☒

Marginal dead-water - slack ☒

Exposed bedrock ☒

Exposed boulders ☒

Unvegetated mid-channel bars ☒

Vegetated mid-channel bars ☒

Mature island(s) ☒

Unvegetated side bars ☒

Vegetated side bars ☒

Have you completed your expenses form this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 6.25 RIGHT BANK

Banktop height (m) 0.65 Water width (m) 5.50 Banktop height (m) 0.65

Embankment height (m) Water depth (m) 0.10 Embankment height (m)

If bankline lower than banktop peak in slope, indicate: height (m) width (m)

Bed material at site: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement in: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-11 then indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Footbridges = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐ Marsh ☐ Other (state)

Debris dams ☐ Water meadow ☐ Flush ☐

Leafy debris ☒ Fen ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11 then indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentences: Small weir on right bank. Mature trees on left bank. Overhanging roots. Underwater tree roots. Fallen trees. Coarse woody debris. Major conservation features:

Major impacts:

Incidental observations (animals etc):

IFE (in 100m) = 500m (100m/100m)

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied on request.

Have you completed your expenses form this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

U CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	15.0	RIGHT BANK	
Banktop height (m)	1.75	Water width (m)	11.50	Banktop height (m)
Embankment height (m)		Water depth (m)	0.35	Embankment height (m)

If thresholds lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (temp) ☒ unconsolidated (soor) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ pick one box Slope (IFB only)

M ARTIFICIAL FEATURES (Use 1 to indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Ponds =
Footbridges = Roadbridges = Other =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/> Bog <input type="checkbox"/> Other (state)
Braided/wide channels <input type="checkbox"/>	Natural open water <input type="checkbox"/> Carr <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/> Marsh <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/> Flush <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1 or 2) State others in Field

Glant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate) The Saturated Silt

Descriptive sentences: Shaggyish river with large even bobbins riffles.
A deep with many (pools?) deep dead water at side.
Used for fishing. Areas of erosion and bank vegetation.

Major conservation features:

Major impacts:

Incidental observations (animals etc):

IFB checked on by the ☒ field ☐

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: HUGH DANSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BA

Enquiries invited! Post completed form for pairing. Labels supplied

NRA RIVER HABITAT SURVEY 1995: IFE, P.A.A. Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? ☒ NO Navigation? ☒ NO

B. FIELD SURVEY DETAILS

Reference network site number: 3967
Mid-section grid reference of network site (if different from designated location):
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: SNO43223 River: SYFYNNWY
Date 18/5/1995 Time: 09:00 Surveyor name: GB M&V HD 126 FWD
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box) with site No on!
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/other: U-shape

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 12 Unvegetated point bars 1
Pools 0 Vegetated point bars 0
IFE - Mid - See over page 12

National Rivers Authority

JMES, Record framed initial date checked

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 12 Pools 0 Unvegetated point bars 1 Vegetated point bars 0

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone) (Mark position of feature)

Spot check 1 is at: upstream end ☐ of site downstream ☒ (tick one)

	1	2	3	4	5	6	7	8	9	10	Total
LEFT BANK (looking downstream)											
Bank material (one)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL (Note: Use 'none' if none)											
Channel substrate (one)	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type (one)	UP	UP	UP	UP	UP	UP	UP	UP	UP	UP	UP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (looking upstream)											
Bank material (one)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, NH, SC, LP, WL, OW, SL, TL, LU

	1	2	3	4	5	6	7	8	9	10	Total
LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	SC	SC	SC	SC	RP	RP	SC	SC	SC
LEFT BANK-TOP (structure within 1m) BAUSC	U	C	C	C	C	C	C	C	C	C	C
LEFT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BAUSC	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BAUSC	S	C	C	C	C	C	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use B (in 10% area) or A (if present))

	1	2	3	4	5	6	7	8	9	10	Total
NONE (tick)											
Liverwort											
Mosses/lichens											
Emergent broad-leaved herbs											
Submerged broad-leaved herbs											
Agrostis											
Free-floating											
Amphibious											
Submerged - broad-leaved											
Submerged fan-leaved											
Flowering algae											

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

PLANTS - Use list of plants in Plants section of IFE, P.A.A. + species of plants eg. Potamogeton pectinatus

REPEAT SITE NO. 3967 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

I. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or A (if present))

	L	R	L	R
Broadleaf/mixed woodland (BL)				
Coniferous plantation (CP)				
Moorland/heath (MH)				
Scrub (SC)	E			
Rough pasture (RP)	E			
Improved/semi-improved grass (IG)				
Tilled land (TL)				
Suburban/urban development (SU)				

J. BANK PROFILES (Use E (≥ 33% banklength) or A (if present))

	L	R	L	R
Natural/unmodified				
Vertical/undercut				
Vertical + toe				
Slope (> 45°)				
Gentle				
Composite				
Artificial/unmodified				
Reinforced - whole bank				
Reinforced - top only				
Reinforced - toe only				
Artificial two-stage				
Peached				
Embanked				
Set-back embankments				

K. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

	Left	Right	Notes	None	Present	Notes
None						
Isolated/scattered						
Regularly spaced, single						
Occasional clumps						
Semi-continuous						
Continuous						
Shading of channel						
Overhanging boughs						
Exposed bankside roots						
Underwater tree roots						
Fallen trees						
Coarse woody debris						

L. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes	None	Present	Notes
Waterfall(s) - freefall						
Cascade(s) - chute						
Step/pool sequence						
Rapid(s) - whitewater						
Riffle-pool sequence						
Run(s) - disturbed, rippled						
Boil(s) - upwellings						
Glide(s) - smooth, no eddies						
Marginal deadwater - slack						
Exposed bedrock						
Exposed boulders						
Unvegetated mid-channel bars						
Vegetated mid-channel bars						
Mature island(s)						
Unvegetated side bars						
Vegetated side bars						

Have you completed your squares from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

M. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	8.10	
Banktop height (m)	1.0	1.0
Water width (m)	7.10	
Banktop height (m)	1.0	1.0
Water depth (m)	0.15	
Embanked height (m)		

If threshold lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) 4.0

N. ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most of site ☐

O. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: None
weed-cutting ☐ enhancement ☐

P. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state): None
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Loose debris ☒ Fen ☐ Flush ☐

Q. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

R. NOTABLE NUISANCE PLANT SPECIES (Use / or E, note: tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: None

S. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Cobbly river with long riffles and some white water, some section through vegetation, some section of banks at top and bottom of section. Oak and Sycamore.
Major conservation features:
Major impacts:
Incidental observations (animals etc):

T. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: None

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, B120 6BB

Envelopes supplied! Post completed form for framing. Labels supplied on top

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary? ☐ Navigation? ☐

B. FIELD SURVEY DETAILS

Reference network site number: 3968
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: SN 197288 River: TAF
 Date 18/5/1995 Time: 13:00 Surveyor name: TC M&R
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: if yes, state
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 General photographs: general character? No ☐ Yes ☐ (tick one box)
 Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1 then indicate total number)

Riffles 11 Unvegetated point bars 1
 Pools 6 Vegetated point bars 1
 IFE = 11 + 6 = 17

National Rivers Authority

DATES: Record prepared validated deletion

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ of site ☐ downstream ☒ (tick one box)

LEFT BANK looking downstream

Bank material (fine) FE, SO, CL, SL, PE, CL
 Bank modification(s) NO, SL, PE, CL, EM
 Bank feature(s) SC, SB, SC, NO, NO, NO, NO, NO, NO, NO
 CHANNEL NOTE: Use the data for
 Channel substrate (fine) SL, AL, SO, CL, PE, CL, EM
 Flow type (fine) SM, UW, SM, RP, SM, UW, RP, SM, UW, SM
 Channel modification(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
 Channel feature(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
RIGHT BANK looking downstream

Bank material (fine) FE, SO, CL, SL, PE, CL
 Bank modification(s) NO, SL, PE, CL, EM
 Bank feature(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, SL, SC, RP, BL, OW, NO, IL, SU

LAND USE WITHIN 5m OF BANKTOP (L) BL, RP, RP, RP, RP, BL, SL, SL, SL
 LEFT BANK TOP (structure within 1m) BL, SC
 LEFT BANK FACE (structure) BL, SC
 RIGHT BANK FACE (structure) BL, SC
 RIGHT BANK TOP (structure within 1m) BL, SC
 LAND USE WITHIN 5m OF BANKTOP (R) BL, BL, BL, BL, RP, RP, RP, RP, SC, SC

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry, use E (≥ 33% area) or I (percent))

NONE (tick) ☒ Plant grass (int. rev) ☒
 Emergent broad-leaved herbs ☒
 Emergent reeds ☒
 Floating-leaved (spotted) ☒
 Free-floating ☒
 Amphibious ☒
 Submerged - broad-leaved ☒
 Submerged fine-leaved ☒
 Filament, algae ☒

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or I)

PLANTS - Use net to collect of biomass + species if possible of both bank & Potamogeton pastures

SITE NO. 3968 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or I if percent)

☒ Broadleafed woodland (BL) ☒ Wetland (eg bog, marsh, fen) (WZ)
☒ Coniferous plantation (CP) ☒ Open water (OW)
☒ Moorland/heath (MH) ☒ Improved/semi-improved grass (IG)
☒ Scrub (SC) ☒ Tilled land (TL)
☒ Rough pasture (RP) ☒ Suburban/urban development (SU)

I. BANK PROFILES (Use E (≥ 33% banklength) or I if percent)

Natural/unmodified ☒ Artificial/modified ☒
 Vertical/undrained ☒ Reinforced - whole bank ☒
 Vertical + toe ☒ Reinforced - top only ☒
 Steep (> 45°) ☒ Reinforced - toe only ☒
 Gentle ☒ Artificial two-stage ☒
 Composite ☒
 Use this space to draw profile if different from above, after filling predominant box

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☒ Left ☒ Right ☒ WYES ☒ E ≥ 33% ☒
 Isolated/scattered ☒
 Regularly spaced, single ☒
 Occasional clumps ☒
 Semi-continuous ☒
 Continuous ☒

ASSOCIATED FEATURES (Tick one box per feature)

None ☒ Present ☒ NO YES
 Shedding of channel ☒
 Overhanging boughs ☒
 Exposed bankside roots ☒
 Underwater tree roots ☒
 Fallen trees ☒
 Coarse woody debris ☒

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☒ None ☒ Present ☒ NO YES
 Cascade(s) - close ☒
 Step/pool sequence ☒
 Rapid(s) - whitewater ☒
 Riffle-pool sequence ☒
 Run(s) - disturbed, rippled ☒
 Boil(s) - upwellings ☒
 Glide(s) - smooth, no eddies ☒

Marginal deadwater - slack ☒
 Exposed bedrock ☒
 Exposed boulders ☒
 Unvegetated mid-channel bars ☒
 Vegetated mid-channel bars ☒
 Mature island(s) ☒
 Unvegetated side bars ☒
 Vegetated side bars ☒

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 7.0 RIGHT BANK
 Banktop height (m) 1.50 Water width (m) 5.75 Banktop height (m) 1.50
 Embankment height (m) 0.12 Water depth (m) 0.12 Embankment height (m) 0.12
 If threshold lower than banktop break in slope, indicate: height (m) width (m)
 Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐
 Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1 then indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 0 Other = 0
 Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of hole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ moving ☐ Other? State
 weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☒ Water meadow ☐ Marsh ☐
 Leafy debris ☒ Fen ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use I or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Shallow deep channel with one narrow tree bed in run of
 Plants of note: W. mangrove in channel
 Major conservation features:
 Major impacts:
 Incidental observations (animals etc): 2 young Herons feeding in trees at adult
IFE channel completely filtered
Malicious and dangerous

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied on request

Have you completed your responses from this week? (send to F&D for signature!)

NRA RIVER HABITAT SURVEY 1995: IFE, P-4-A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____
Solid geology code _____ Drift geology code _____ Planform category _____
Distance from source(km) _____ Significant tributary? ☒ No ☐ Yes ☐ Navigation? ☒ No ☐ Yes ☐

B. FIELD SURVEY DETAILS

Reference network site number: 3970
Mid-section grid reference of network site if different from designated location: _____
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: SN327224 River: UNNAMED
Date: 13/5/1995 Time: 1820 Surveyor name: CC Mole
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Disturbance photographs: general character? No ☐ Yes ☐ (tick one box) with site No. on board!
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☒ concave/bowl + notes/notes: Downstream

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 12 Unvegetated point bars 5
Pools 8 Vegetated point bars _____
IFE - mod - see survey notes

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream end ☐ at site ☒ downstream end ☐ (tick one)

LEFT BANK (looking downstream)

Bank material (fine)	EA EA EA EA EA EA EA EA EA EA
Bank modification(s)	NO NO NO NO NO NO NO NO NO NO
Bank feature(s)	NO SC NO SC NO SC NO SC NO SC
Channel substrate (fine)	CA CO 4P 3P CO CO CO CO 3P CO
Flow type (one)	WU WU F1 RP SM RP WU RP WU
Channel modification(s)	NO NO NO NO NO NO NO NO NO NO
Channel feature(s)	NO NO NO NO NO NO NO NO NO NO

RIGHT BANK (looking downstream)

Bank material (fine)	EA EA EA EA EA EA EA EA EA EA
Bank modification(s)	NO NO NO NO NO NO NO NO NO NO
Bank feature(s)	NO NO NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, SP, WL, OW, NO, IL, SU

LAND USE WITHIN 5m OF BANKTOP (L)	12 13 13 13 13 13 13 13 13 13
LEFT BANK-TOP (structure within 1m)	SC SC SC SC SC SC SC SC SC SC
LEFT BANK FACE (structure)	SC SC SC SC SC SC SC SC SC SC
RIGHT BANK FACE (structure)	SC SC SC SC SC SC SC SC SC SC
RIGHT BANK-TOP (structure within 1m)	SC SC SC SC SC SC SC SC SC SC
LAND USE WITHIN 5m OF BANKTOP (R)	SC SC RP 13 13 13 13 13 13 13

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (to 1% area) or P (present))

NONE (tick)	Plant genera (list them)	
<input checked="" type="checkbox"/>	<u>oerethe</u>	
<input type="checkbox"/>	Liverworts	
<input type="checkbox"/>	Groundsleichen	
<input type="checkbox"/>	Emergent broad-leaved herbs	
<input type="checkbox"/>	Emergent reeds/ sedges/forbes	
<input type="checkbox"/>	Floating-leaved (rooted)	
<input type="checkbox"/>	Free-floating	
<input type="checkbox"/>	Amphibious	
<input type="checkbox"/>	Submerged - broad-leaved	
<input type="checkbox"/>	Submerged fine-leaved	
<input type="checkbox"/>	Filament, algae	

Use end 'teach-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or P)

PLANTS - Use 1st 4 letters of genus + 1st 3 letters of species if possible + 1st 3 letters of Polak part + 1st 3 letters of Polak part

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or P (present))

Broadleaf/deciduous woodland (BL)	<input checked="" type="checkbox"/> E	Wetland (eg bog, marsh, fen) (WL)	
Coniferous plantation (CP)		Open water (OW)	
Moorland/heath (MH)		Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/> E
Scrub (SC)		Tilled land (TL)	
Rough pasture (RP)		Suburban/urban development (SU)	

I. BANK PROFILES (Use E (to 33% banklength) or P (present))

Natural/unmodified	<input checked="" type="checkbox"/> E	Artificial/modification	<input checked="" type="checkbox"/> E
Vertical/undercut	<input checked="" type="checkbox"/> E	Reinforced	<input checked="" type="checkbox"/> E
Vertical + toe	<input checked="" type="checkbox"/> E	Reinforced - whole bank	<input checked="" type="checkbox"/> E
Steep (> 45°)	<input checked="" type="checkbox"/> E	Reinforced - toe only	<input checked="" type="checkbox"/> E
Geopie	<input checked="" type="checkbox"/> E	Reinforced - toe only	<input checked="" type="checkbox"/> E
Composite	<input checked="" type="checkbox"/> E	Artificial two-stage	<input checked="" type="checkbox"/> E
Use this space to draw profile if different from above, after ticking predominant box		Poached	<input checked="" type="checkbox"/> E
		Embanked	<input checked="" type="checkbox"/> E
		Set-back embankments	<input checked="" type="checkbox"/> E

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	NOTES	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	NOTES
None	<input type="checkbox"/>	<input type="checkbox"/>		Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall	<input type="checkbox"/>	Present	<input checked="" type="checkbox"/>	Marginal deadwater - silt	<input type="checkbox"/>	Present	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Rapid(s) - whitewater	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Riffle-pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Boil(s) - upwellings	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	<u>7.50</u>	RIGHT BANK	Banktop width (m)	<u>1.10</u>
Banktop height (m)	<u>1.10</u>	Water width (m)	<u>6.50</u>	Banktop height (m)	<u>1.10</u>
Banktop height (m)	<u>1.10</u>	Water depth (m)	<u>0.50</u>	Banktop height (m)	<u>1.10</u>
Banktop height (m)	<u>1.10</u>	Banktop height (m)	<u>1.10</u>	Banktop height (m)	<u>1.10</u>

If bankline lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) _____

M. ARTIFICIAL FEATURES (Use 1-10 indicate total number; tick 'none' where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____
Footbridges = _____ Roadbridges = _____ Other = _____

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State: _____
weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL
Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)
Artificial open water ☐ Bog ☐ Other (state): _____
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NURSANCE PLANT SPECIES (Use 1-10 indicate total number; tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

R. BRIEF DESCRIPTION (Use prompts and key words at appropriate)

Descriptive sentence: A fast moving stream defined by riffle-pool. Tree lined.
Plants of note: willow fallen over bank

Major conservation features: _____
Major impacts: _____
Incidental observations (animals etc): _____

S. DISEASED ALGERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: _____

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - clearly marked

Have you completed your enquiries from this work? (Send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	BA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. = <i>SL, SD, CO, GL, PL, CL, CC, SP, WP, GA, BA, SW</i>	EA	BA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	EC	NO	SB	NO	SC	EC	EC	SB
Channel										
Channel substrate	CP	CD	GP	GP	GP	GP	GP	GP	GP	GP
Flow type	RP	SN	SM	RP	SM	RP	SM	RP	SM	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. = <i>SL, SD, CO, GL, PL, CL, CC, SP, WP, GA, BA, SW</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CP, MR, SC, SP, WL, OW, PL, RU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK-TOP (structure)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
RIGHT BANK-TOP (structure)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
RIGHT BANK-TOP (structure)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC

CHANNEL VEGETATION TYPES (tick in relevant boxes with one only; use S (2-3% area) or L (greater))

None (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/rushes/cyperus										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or ✓)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	7.5	RIGHT BANK
Banktop height (m)	2.9	Water width (m)	Banktop height (m)
Embankment height (m)	0.25	Water depth (m)	Embankment height (m)

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (D/F only)

ARTIFICIAL FEATURES (Use 1-10 to indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =

Is water level controlled by weirs/dams downstream? No ☐ Part of site ☐ Most/whole of site ☐

EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

weed-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fun
	Reed
	Carr
	Marsh
	Flush

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE NUISANCE PLANT SPECIES (Use 1-10 to indicate total number, tick 'none' where appropriate)

Giant Hogweed ☒ Himalayan Balsam ☐ Japanese Knotweed ☒ Other? State

BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: *Within river through scrub woodland emerging into grazing Alternating side bars, long deep pools.*

Plants of note: *Small section of reedbank (EC) on right bank beside road. Fuel (upper) section probably straightened.*

Major conservation features: *Very little channel vegetation*

Major impacts: *Very little channel vegetation*

Incidental observations (animals etc):

DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: 500m SIEVE-UP Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP (Use 1-10 to indicate total number, tick 'none' where appropriate)

Left	Right	Left	Right
Broadleaf/mixed woodland (BL)	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)	Open water (OW)		
Moorland/heath (MH)	Improved/semi-improved grass (IG)		
Scrub (SC)	Tilled land (TL)		
Rough pasture (RP)	Suburban/urban development (SU)		

BANK PROFILES (Use 1-10 to indicate total number, tick 'none' where appropriate)

Natural/unmodified	Left	Right	Artificial/modified	Left	Right
Vertical/undercut	2	2	Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after sitting predetermined box					

EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per bank)

Trees	Left	Right	Associated features	None	Present
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall	None	Present	Marginal deadwater - slack	None	Present
Canal(s) - chute			Exposed bedrock		
Step/pool sequences			Exposed boulders		
Rapid(s) - submergent			Unvegetated mid-channel bars		
Riffle-pool sequences			Vegetated mid-channel bars		
Run(s) - disturbed, rippled			Minor islands		
Bed(s) - gravelly			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

NRA RIVER HABITAT SURVEY 1995: 500m SIEVE-UP Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP (Use 1-10 to indicate total number, tick 'none' where appropriate)

Left	Right	Left	Right
Broadleaf/mixed woodland (BL)	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)	Open water (OW)		
Moorland/heath (MH)	Improved/semi-improved grass (IG)		
Scrub (SC)	Tilled land (TL)		
Rough pasture (RP)	Suburban/urban development (SU)		

BANK PROFILES (Use 1-10 to indicate total number, tick 'none' where appropriate)

Natural/unmodified	Left	Right	Artificial/modified	Left	Right
Vertical/undercut	2	2	Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after sitting predetermined box					

EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per bank)

Trees	Left	Right	Associated features	None	Present
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall	None	Present	Marginal deadwater - slack	None	Present
Canal(s) - chute			Exposed bedrock		
Step/pool sequences			Exposed boulders		
Rapid(s) - submergent			Unvegetated mid-channel bars		
Riffle-pool sequences			Vegetated mid-channel bars		
Run(s) - disturbed, rippled			Minor islands		
Bed(s) - gravelly			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m) 1218 Slope (m/km) 12.18 Flow category (1-10) 1

Solid geology code * Drift geology code * Planform category *

Distance from source(km) * Significant tributary * Navigation? *

FIELD SURVEY DETAILS

Reference network site number: 3973

Mid-section grid reference of network site (if differs from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Goring

Date 9/6/1995 Time: 12:18 Surveyor name: JD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photograph: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐

NUMBER OF RIFLES, POOLS AND POINT BARS (Use 1-10; tick indicate total number)

Rifles 4 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

P4903.7L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 4 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone)

Mat. = Material ¹ = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ <u>SE, SO, CO, CL, SL, FE, CL, CC, SF, WT, GA, JR, JR, JR</u>	EA	BR	EA	BE	BE	EA	EA	EA	EA	EA
Bank modification(s) <u>NO, JR, JR, JR, JR</u>	NO	RI	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>NO, NO, JC, JC, JR, JR, JR</u>	NO	NO	SB	NO	NO	SB	NO	NO	NO	SB
CHANNEL										
Channel substrate ¹ <u>NO, SE, SO, CO, CL, SL, FE, CL, CC, SF, WT, GA, JR, JR, JR</u>	GP	GP	GP	BE	BE	GP	GP	GP	GP	GP
Flow type ¹ <u>FF, CH, SF, WF, CF, SF, SF, SF, SF, SF</u>	RP	RP	RP	RP	CH	SN	RP	RP	RP	RP
Channel modification(s) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ <u>SE, SO, CO, CL, SL, FE, CL, CC, SF, WT, GA, JR, JR, JR</u>	GA	GP	EA	BE	BE	EA	EA	EA	EA	EA
Bank modification(s) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from RL, CL, NW, SC, RP, SL, OW, JO, TL, SW	RL	CL	CL	CL	CL	CL	CL	CL	CL	CL
LAND USE WITHIN 5m OF BANKTOP (L)	RL	CL	CL	CL	CL	CL	CL	CL	CL	CL
LEFT BANK-TOP (structure within 2m) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	C	C	C	C	C	C	C	C	C	C
RIGHT BANK FACE (structure) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	C	C	C	C	C	C	C	C	C	C
RIGHT BANK-TOP (structure within 2m) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RL	CL	CL	CL	CL	CL	CL	CL	CL	CL
CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use 1-10; tick one box)										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs <u>Capitum</u>										
Emergent reeds/edges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-linear-leaved										
Filamentous algae										

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)

P4903.7L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP (Use 1-10; tick indicate total number)

	L	R		L	R
Broadleaved woodland (BL)	5	✓	Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Woodland/heath (WH)			Improved/semi-improved grass (IG)	✓	5
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)	✓	✓	Suburban/urban development (SU)		

BANK PROFILES (Use 1-10; tick indicate total number)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/unfettered	✓	✓	Resealed		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (> 45°)		✓	Reinforced - top only		
Gentle			Reinforced - toe only	✓	✓
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

Use this space to draw profile if different from above, after taking predominant box

EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/heathered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-confiscuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - submergent	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Rum(s) - slumbered, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>

P4903.7L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	LEFT BANK	RIGHT BANK
Backstop width (m)	8m	8m
Backstop height (m)	1.0	0.70
Embanked height (m)	0.20	0.20

If threshold lower than backstop break in slope, indicate: height (m) 0.20 width (m) 0.20

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only) 1:1

ARTIFICIAL FEATURES (Use 1-10; tick indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth/whole of site ☐

EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

weed-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	Bog	Other (state)
Waterfalls > 5m high	Artificial open water		
Braided/side channels	Natural open water		
Debris dams	Water meadow		
Leafy debris	Fen		

CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE NUISANCE PLANT SPECIES (Use 1-10; tick indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

BRIEF DESCRIPTION (Use prompt and key words as appropriate)

Descriptive sentence: 11.5m straight reach, partly reinforced on left bank, river is running. Mainly riffle run sequences, little vegetation, eroding heavily on right bank.

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH BAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

P4903.7L

NRA RIVER HABITAT SURVEY 1995: IFB P-1-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? **NO** Navigation? **NO**

B FIELD SURVEY DETAILS

Reference network site number: **3974**

Mid-section grid reference of network site if different from designated location:

COMPLET THIS FOLLOWING FOR ALL SITES

Grid Reference: **S1135 22 5** River: **CLYDE**

Date: **7.16/1995** Time: **16:46** Surveyor name: **7B, 7C, 7D, 16 AK 78W**

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) **with S1135 22 5**

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorgo ☒ asymmetrical floodplain

☐ concave/bowl ☐ + notes/extra diagrams

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles **4** Unvegetated point bars **2**

Pools **5** Vegetated point bars **0**

IFB P-1-A - See notes on page 1

National Rivers Authority

DATES: Record named initial date

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles **1111** Pools **1111** Unvegetated point bars **1** Vegetated point bars **1**

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (Mark presence/absence feature)

Spot check 1 is at: upstream end of site ☐ downstream end of site ☒ (tick one)

	1	2	3	4	5	6	7	8	9	10	11
LEFT BANK (looking downstream)	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank material (fine)	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s)	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank features(s)	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Channel substrate (fine)	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Flow type (fine)	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Channel modification(s)	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Channel features(s)	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
RIGHT BANK (looking upstream)	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank material (fine)	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s)	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank features(s)	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide stretch)											
Land use: check one from FL, CL, SL, SC, SP, NL, SW, SO, SL, SU											
LAND USE WITHIN 5m OF BANKTOP (L)											
LEFT BANK-TOP (structure within 1m)	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
LEFT BANK FACE (structure)	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
RIGHT BANK FACE (structure)	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
RIGHT BANK-TOP (structure within 1m)	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
LAND USE WITHIN 5m OF BANK TOP (R)											
EA BE BE BE BE BE BE BE BE BE BE BE											
G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry; use E (to 10% cover) or V (green))											
NONE (tick)	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Emergent broad-leaved herbs	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Emergent reeds, sedges, rushes	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Flowering-leaved (upland)	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Free-floating	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Amphibious	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Submerged - broad-leaved	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Submerged fine-leaved	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Filement, algae	EA	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE

Use and 'catch all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V) †

PLANTS = Use tick boxes of cover % in table; for vegetation + species if possible of plots; just a percentage estimation

Repeat 1

SITE NO. **3974** NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or V (if present))

	L	R		L	R
Broadleaved woodland (BL)	E	V	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantations (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	V	V
Scrub (SC)	E		Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		E

I BANK PROFILES (Use E (to 33% banklength) or V (if present))

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut	V	E	Reinforced		
Vertical + toe			Reinforced - whole bank	V	V
Steep (>45°)	V	E	Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after discussing professional's use					
	Paved Embanked Set-back embankments				

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	Notes
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging branches	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present	Notes
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>	
Caesed(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Rum(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your enquiries for this week? (and to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	11.0	RIGHT BANK
Banktop height (m)	1.75		Banktop height (m)
Embedded height (m)			Embedded height (m)
Water depth (m)	0.15		Water depth (m)
If bankline lower than banktop break in slope, indicate: height (m) 1.10 width(m) 9.50			
Bed material at site: consolidated (compact) <input checked="" type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement in: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (1% only) 4%			
M ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick 'none' where appropriate)			
None <input type="checkbox"/>	Number of Culverts =	Weirs =	Outfalls =
	Feederbridges =	Reinforced =	Other =
Is water level controlled by weir/dam downstream? No <input checked="" type="checkbox"/> Part of site <input type="checkbox"/> (tick one box) Part of site <input type="checkbox"/>			
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)			
dredging <input type="checkbox"/>	mowing <input type="checkbox"/>	Other? State:	
weed-cutting <input type="checkbox"/>	embankment <input type="checkbox"/>		
O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))			
CHANNEL	FLOODPLAIN (50m corridor)		
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Beg <input type="checkbox"/>	Other (state):
Reinforced/stepped channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Curr <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fra <input type="checkbox"/>	Flood <input type="checkbox"/>	
P CHOKED CHANNEL (Tick one box)			
Is 33% or more of the channel choked with vegetation? NO <input type="checkbox"/> YES <input type="checkbox"/>			
Q NOTABLE NUISANCE PLANT SPECIES (Use 1-11 indicate total number, tick 'none' where appropriate)			
Giant Hogweed <input type="checkbox"/>	Himalayan Balsam <input type="checkbox"/>	Japanese Knotweed <input checked="" type="checkbox"/>	Other? State:
R BRIEF DESCRIPTION (Use prompts and key words of appropriate)			
Descriptive sentence: Bed rock shown and along right bank. Large pool of water. Bank reinforcement a light by house and. Major conservation features:			
Major impacts:			
Incidental observations (animals etc):			
IFB P-1-A - See notes on page 1			
S DISEASED ALDERS (Tick one box)			
None <input checked="" type="checkbox"/>	Present <input type="checkbox"/>	Extensive <input type="checkbox"/>	Other diseased trees State:
SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB			
Envelopes supplied! Post completed form for processing - labels supplied			

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 3 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3981
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: SO 497225 River: GAREN BROOK
 Date: 23.5.1995 Time: 09:00
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: ...
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Photographs: general character? No ☐ Yes ☒ (tick one box) Board ...
 Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☒ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/draw diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 8 Unvegetated point bars 1
 Pools 8 Vegetated point bars 2
 (FE=10, 1-500m)

National Rivers Authority

Notes: Record named unstable debris chutes

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream end ☒ of site (tick one)
 1 2 3 4 5 6 7 8 9 10

LEFT BANK (tick in down stream)

Bank material (fine) EA EA EA EA EA EA EA EA EA EA
 Bank modification(s) NO NO NO NO NO NO NO NO NO NO
 Bank feature(s) VP NO SC NO NO NO NO NO NO NO VP

CHANNEL NOTE (Use in table for notes)

Channel substrate (fine) SP SI SI SI SI SI SI SI SI SI
 Flow type (fine) SM SM SM SM NP UW SM UW NP RP
 Channel modification(s) NO NO NO NO NO NO NO NO NO NO
 Channel feature(s) NO NO NO MI NO NO NO NO NO NO

RIGHT BANK (tick in down stream)

Bank material (fine) EA EA EA EA EA EA EA EA EA EA
 Bank modification(s) NO NO NO NO NO NO NO NO NO NO
 Bank feature(s) SC NO SC SC EC NO SC NO NO EC

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, SHL, SC, AP, WL, GW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUSC U U U U U U U U U U
 LEFT BANK FACE (structure) BAUSC S U S S S S S S S S
 RIGHT BANK FACE (structure) BAUSC S B S S B S S B S B
 RIGHT BANK-TOP (structure within 1m) BAUSC U U U U U U U U U U
 LAND USE WITHIN 5m OF BANK TOP (R) L L L L L L L L L L

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry per 33% area or 1/3 area)

NONE tick Plant green (faint) ☒
 Emergent broad-leaved ☒
 Emergent narrow-leaved ☒
 Emergent sedge ☒
 Floating-leaved ☒
 Free-floating ☐
 Amphibious ☐
 Submerged broad-leaved ☐
 Submerged fine-leaved ☐
 Filamentous algae ☐

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or J) ☒
 PLANTS - Use UK 4-letter codes for plants & algae
 + species if possible eg. *Potamogeton pectinatus*

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or J if present)

Broadleaf/mixed woodland (BL) Wetland (eg bog, marsh, fen) (WL)
 Coniferous plantation (CP) Open water (OW)
 Moorland/heath (MH) Improved/best-improved grass (IG) E E
 Scrub (SC) Tilled land (TL)
 Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (≥ 33% banklength) or J if present)

Natural/unmodified L R Artificial/modified L R
 Vertical/unmodified L R Reinforced - whole bank L R
 Vertical + toe L R Reinforced - top only L R
 Steep (> 45°) L R Reinforced - toe only L R
 Gentle L R Artificial two-stage L R
 Composite L R
 Use this space to draw profile if different from above, after taking premeasured box

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None Left Right None Present E None Present E None Present E
 Isolated/scattered ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Regularly spaced, single ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Occasional clumps ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Semi-continuous ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒
 Continuous ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

ASSOCIATED FEATURES (Tick one box per feature)

None Present E None Present E None Present E
 Shading of channel ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Overhanging boughs ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Exposed bankside roots ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Underwater tree roots ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Fallen trees ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Coarse woody debris ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None Present E None Present E None Present E
 Marginal deadwater - silt ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Exposed bedrock ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Exposed boulders ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Unvegetated mid-channel bars ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Vegetated mid-channel bars ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Mature island(s) ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Unvegetated side bars ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Vegetated side bars ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Have you completed your squares for this week? (send to PWD for signature!)

140252

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 10.0 RIGHT BANK
 Banktop height (m) 1.5 Water width (m) 4.2 Banktop height (m) 2.0
 Embankment height (m) 0.05 Water depth (m) 0.05 Embankment height (m) 0.05
 If trashline lower than banktop break in slope, indicate height (m) 1.0 width (m) 7.0
 Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
 Location of measurement in: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (FE only)

M ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Orillals =
 Footbridges = Roadbridges = Other =
 Is water level controlled by weildam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other ? State ...
 weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) ...
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☒ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use E or J)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State ...

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Meandering stream - steep natural banks, lots of
 Flots of silt (see list) PC, tree (alder) roots, EC, SC, MI etc!!
 Major conservation features:
 Major impacts: Road + Bridge, Poaching of banks.
 Incidental observations (animals etc): Kingfisher + Hest.
 (FE=10, 1-500m)

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State ...

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB
 Envelopes supplied! Post completed form for processing - labels supplied & stamped

140252

NRA RIVER HABITAT SURVEY 1995: IFE - M.A.A. Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3982

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 50 592254 River: WYE

Date 22/5/1995 Time: 17:00 Surveyor name (with grade): G.C. Maltby

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Transverse photographs: general character? No ☒ (tick one box) with 50% N/A on board

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☒ asymmetrical floodplain + NUTS/mud deposition

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1M then indicate total number)

Riffles | Unvegetated point bars

Pools | Vegetated point bars

IFE - M.A.A. - see survey log

National Rivers Authority

DATES: record found initial details

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide 'spot') (tick one)

Spot check 1 is at: upstream end ☐ mid-section ☒ downstream end ☐ (tick one)

LEFT BANK (tick one)

Bank material (fine) BE,BO,CO,CL,LA,PE,CL

Bank modification(s) ☒ NO,AS,RL,PC,M,EN

Bank feature(s) ☒ NK,NO,EC,SC,FR,FP,SV,VS

CHANNEL NOTE Use suitable for (tick one) (+ GP)

Channel substrate (fine) BE,BO,CO,CL,LA,PE,CL

Flow type (one) FF,CH,SW,UP,CF,SP,NP,SV,NP,NO

Channel modification(s) ☒ NK,NO,EC,SC,FR,FP,SV,VS

Channel feature(s) ☒ NO,NO,EC,SC,FR,FP,SV,VS

RIGHT BANK (tick one)

Bank material (fine) BE,BO,CO,CL,LA,PE,CL

Bank modification(s) ☒ NO,AS,RL,PC,M,EN

Bank feature(s) ☒ NK,NO,EC,SC,FR,FP,SV,VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, NL, SC, FP, VL, OV, IG, TL, TU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUSC

LEFT BANK FACE (structure) BAUSC

RIGHT BANK-TOP (structure within 1m) BAUSC

RIGHT BANK FACE (structure) BAUSC

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (to 33% area) or J (percent))

NONE (tick) Plant genera (Latin)

Submerged mosses/algae

Emergent broad-leaved beds

Emergent reeds/rushes

Flowering, leaved (rooted)

Free-floating

Amphibious

Submerged - linear-leaved

Submerged - rounded-leaved

Filamentous algae

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)

PLANTS - Use list of plants in top 1/3, rest mostly CO with GP. + species if possible of plants with a colonisation potential

Repeat 1

SITE NO. 3982 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or J (percent))

Broadleaved woodland (BL)

Coniferous plantation (CP)

Moorland/heath (MH)

Scrub (SC)

Rough pasture (RP)

Improved/semi-improved grass (IG)

Tilled land (TL)

Suburban/urban development (SU)

I. BANK PROFILES (Use E (to 33% banklength) or J (percent))

Natural/unmodified

Vertical/undercut

Vertical + toe

Steep (>45°)

Gentle

Composite

Artificial/modified

Recessed

Reinforced - whole bank

Reinforced - top only

Reinforced - toe only

Artificial two-stage

Poached

Embanked

Set-back embankments

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None

Isolated/scattered

Regularly spaced, single

Occasional clumps

Semi-continuous

Continuous

ASSOCIATED FEATURES (Tick one box per feature)

E > 33%

Shading of channel

Overhanging boughs

Exposed bankside roots

Underwater tree roots

Fallen trees

Coarse woody debris

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall

Cascade(s) - chute

Step/pool sequence

Rapid(s) - whitewater

Riffle(s) - rapids

Run(s) - disturbed, rippled

Boil(s) - upwellings

Glide(s) - smooth, no eddies

Marginal deadwater - silt

Exposed bedrock

Exposed boulders

Unvegetated mid-channel bars

Vegetated mid-channel bars

Mature island(s)

Unvegetated side bars

Vegetated side bars

Have you completed your squares from this week? (send to FWD for signature!)

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)

PLANTS - Use list of plants in top 1/3, rest mostly CO with GP. + species if possible of plants with a colonisation potential

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 44.0

Banktop height (m) 2.5

Water width (m) 38.0

Water depth (m) NK

Embanked height (m) 2.25

RIGHT BANK

Banktop height (m) 2.25

Embanked height (m) 2.25

If trashline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ - unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use J (percent) where appropriate)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Full length of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL

Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)

Braked/side channels ☐ Artificial open water ☐ Bog ☐ Other (state)

Debris dams ☐ Natural open water ☐ Carr ☐

Leafy debris ☒ Water meadow ☐ Marsh ☐

Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use E or J)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☒ Other ? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Wide river with large meander. Lots of BE

Plants of note: (see list) in top 1/3, rest mostly CO with GP.

Major conservation features: Strip of BL 3/4 along LHS.

Major impacts: Lots of filamentous algae.

Incidental observations (animals etc):

IFE channel sample taken ☒ filtered ☐

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed files for processing labels supplied + stamps

DATES. Record
P-48428, TL

PLANTS - Use 1st 4 letters of genus → Pota = Potamogeton
+ species if possible of Pota part a Potamogeton pectinatus

9494287P-45623.75

DATE. Recd	from	valuated	date/no check
7-24-62 TL			

PLANTS - Use 1st 4 letters of genus of Pota, Potamogeton
+ species if possible eg Pota pect = Potamogeton pectinatus

Have you completed your expenses form this week? (send to FWD for signature!)

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed films for processing - labels supplied as above

NRA RIVER HABITAT SURVEY 1995 IFB P-A-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION:

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3988
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: SP 177235 River: DIKLER
Date 25/5/1995 Time: 11:15 Surveyor name: J.W. P.H. I.A.K. 76m
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Special features:
Photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C 'PREDOMINANT VALLEY FORM' (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes on the diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 7 Unvegetated point bars
Pools 1 Vegetated point bars
(If E or V - see 1995/1996)

National Rivers Authority

DATES: heard found visited before checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide core)

Spot check 1 is at: upstream end ☒ of site (tick one)
downstream ☐ (tick one)

LEFT BANK looking downstream

Bank material (one) ☒ E.A. ☐ E.B. ☐ E.C. ☐ E.D. ☐ E.E. ☐ E.F. ☐ E.G. ☐ E.H. ☐ E.I. ☐ E.J. ☐ E.K. ☐ E.L. ☐ E.M. ☐ E.N. ☐ E.O. ☐ E.P. ☐ E.Q. ☐ E.R. ☐ E.S. ☐ E.T. ☐ E.U. ☐ E.V. ☐ E.W. ☐ E.X. ☐ E.Y. ☐ E.Z. ☐ E.AA. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI. ☐ E.AJ. ☐ E.AK. ☐ E.AL. ☐ E.AM. ☐ E.AN. ☐ E.AO. ☐ E.AP. ☐ E.AQ. ☐ E.AR. ☐ E.AT. ☐ E.AU. ☐ E.AV. ☐ E.AW. ☐ E.AX. ☐ E.AY. ☐ E.AZ. ☐ E.AB. ☐ E.AC. ☐ E.AD. ☐ E.AE. ☐ E.AF. ☐ E.AG. ☐ E.AH. ☐ E.AI

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source(km) _____ Significant tributary ? _____ Navigation ? _____

B FIELD SURVEY DETAILS

Reference network site number: 3989

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES UN-NAVIG RIB 02

Grid Reference: SP 242235 River: EVERNLODE

Date: 25.5.1995 Time: 14.00 Surveyor name: GC MLY NO 36 FWD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Essential - return with report of features? Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/other features

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [H] then indicate total number)

Riffles 10 Unvegetated point bars _____

Pools 3 Vegetated point bars _____

IFE - m.d. - see 2.10.1.1

National Rivers Authority

JMES. head

maned

valley

hollow

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end ☒ of site ☐ downstream ☐ (tick one box)

LEFT BANK

Bank material (one) RE, RO, CO, CL, S, PL, CL

Bank modification(s) ☒ NO, RS, EC, SC, FC, PV, SP, VS

Bank feature(s) ☒ VS, SC, NO, NO, SC, NO, VS, NO, NO, NO

CHANNEL NOTE: Use bankline for

Channel substrate (one) SP, RP, SP, CP, CP, SP, SI, SP, RP, RP

Flow type (one) FF, CH, W, W, CF, SP, SP, SP, SP, SP

Channel modification(s) ☒ NO, NO, PL, PL, PL, PL

Channel feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

RIGHT BANK Use bankline for

Bank material (one) RE, RO, CO, CL, S, PL, CL

Bank modification(s) ☒ NO, RS, EC, SC, FC, PV, SP, VS

Bank feature(s) ☒ VS, SC, NO, NO, SC, NO, VS, NO, NO, NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CF, H, SC, RP, PL, GW, AL, IL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUSC

LEFT BANK FACE (structure) BAUSC

RIGHT BANK FACE (structure) BAUSC

RIGHT BANK-TOP (structure within 1m) BAUSC

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (to 33% area) or P (percent))

NONE (tick)

Plant green (tick one)

Liverwort mosses/lichens ☒

Emergent broad leaved herbs ☒

Emergent reeds/sedges/rushes ☒

Flowering-leaved (rooted) ☒

Free floating ☐

Amphibious ☐

Submerged broad-leaved ☐

Submerged fine-leaved ☐

Filamentous algae ☐

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or P)

PLANTS - Use tick in left of boxes of plants & photosynthesis + species if possible of plants & photosynthesis

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or P (percent))

L

Broadleaf/deciduous woodland (BL)

Coniferous plantation (CP)

Woodland/heath (WH)

Scrub (SC) DISPERSED

Rough pasture (RP)

R

Wetland (eg bog, marsh, fen) (WL)

Open water (OW)

Improved/semi-improved grass (IG)

Tilled land (TL)

Suburban/urban development (SU)

I BANK PROFILES (Use E (to 33% banklength) or P (percent))

Natural/unmodified ☒

Vertical/undercut ☒

Vertical + toe ☒

Steep (> 45°) ☒

Gravel ☒

Composite ☒

Artificial/modified ☒

Reinforced ☒

Reinforced - whole bank ☒

Reinforced - top only ☒

Reinforced - toe only ☒

Artificial two-stage ☒

Perched ☒

Embanked ☒

Set-back embankments ☒

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☐

Isolated/scattered ☐

Regularly spaced, single ☐

Occasional clumps ☒

Semi-continuous ☐

Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

Shading of channel ☐

Overhanging boughs ☐

Exposed bankside roots ☐

Underwater tree roots ☐

Fallen trees ☐

Coarse woody debris ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free fall ☐

Cascade(s) - chute ☐

Step/pool sequence ☐

Rapids(s) - whitewater ☐

Riffle-pool sequence ☐

Rust(s) - disturbed, rippled ☐

Boil(s) - swellings ☐

Glide(s) - smooth, no eddies ☐

Marginal deadwater - slack ☐

Exposed bedrock ☐

Exposed boulders ☐

Unvegetated mid-channel bars ☐

Vegetated mid-channel bars ☐

Mature island(s) ☐

Unvegetated side bars ☐

Vegetated side bars ☐

Have you completed your responses for this week? (send G FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 3.2

Banktop height (m) 1.2

Embanked height (m) 0.02

RIGHT BANK

Banktop width (m) 2.0

Banktop height (m) 1.2

Embanked height (m) 0.02

If bankline lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) _____

M ARTIFICIAL FEATURES (Use [H] indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____

Footbridges = _____ Roadbridges = _____ Other = _____

In water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State: _____

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state): _____

Branded/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use E or P)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State: _____

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Agonisingly steep sides - deepened in past

Plants of note (see list): some clay in banks - predominantly GP soil

Major conservation features: _____

Major impacts: Dredged / RS? in past, is: Modified channel (in past)

Incidental observations (animals etc): Deep sides / straight

IFE channel survey by GC MLY NO 36 FWD

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 4BB

Envelopes supplied! Post completed form for processing - labels supplied 450g

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source (km) _____ Significant tributary ? _____ Navigation ? _____

B. FIELD SURVEY DETAILS

Reference network site number: 3990

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SP 398 236 River: SL/MIS

Date: 12/5/1995 Time: 16:15 Surveyor name: W. J. M. 16 AK 780

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographic general character? No ☐ Yes ☒ (tick one box) Board

Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on the diagram

D. NUMBER OF RIFFLES, POOLS, AND POINT BARS (Use 1-11 then indicate total number)

Riffles 5 Unvegetated point bars _____

Pools _____ Vegetated point bars _____

IF 5-11 - See notes on page 2

National Rivers Authority

DATES: Record _____ named _____ unlabelled _____ deletion checks _____

Repeat 1

SITE NO. 3990 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (to 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Reinforced		
Vertical/undercut			Reinforced - whole bank		
Vertical - toe			Reinforced - top only		
Steep (>45°)			Reinforced - toe only		
Gravel			Artificial two-steps		
Composite			Pierced		
			Embanked		
			Set-back embankments		

Use this space to draw profile of different from above, after ticking predetermined box

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	Notes	Associated FEATURES (Tick one box per feature)	None	Present	E	Notes
None				Shading of channel				
Isolated/scattered				Overhanging boughs				
Regularly spaced, single				Exposed bankside roots				
Occasional clumps				Underwater tree roots				
Semi-continuous				Fallen trees				
Continuous				Coarse woody debris				

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E		None	Present	E	Notes
Waterfall(s) - free-fall				Marginal dead-water - slack				
Canal(s) - chute				Exposed bedrock				
Step/pool sequence				Exposed boulders				
Rapid(s) - whitewater				Unvegetated mid-channel bars				
Riffle-rap sequence				Vegetated mid-channel bars				
Ran(s) - disturbed, rippled				Shore island(s)				
Bank(s) - upwellings				Unvegetated side bars				
Slide(s) - smooth, no eddies				Vegetated side bars				

Have you completed your enquiries from this week? (send to FWD for signature!)

2/10/95

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

III. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide zone)

Spot check 1 is at upstream end of site (tick one)

	1	2	3	4	5	6	7	8	9	10	Notes
LEFT BANK (tick one)											
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
CHANNEL NOTE (tick one)											
Channel substrate (fine)	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	
Flow type (fine)	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK (tick one)											
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide barrow)

Land use above one foot SL, CP, MH, IG, TL, OW, SU

	1	2	3	4	5	6	7	8	9	10	Notes
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	
LEFT BANK-TOP (structure within 1m)	S	S	S	S	S	S	S	S	S	S	
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S	
RIGHT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U	
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U	
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (to 33% area) or / if present)

	1	2	3	4	5	6	7	8	9	10	Notes
NONE (tick)											
Plant genera (tick one)											
Emergent broad-leaved herbs											
Emergent reeds/rushes											
Floating-leaved (free)											
Free-floating											
Amphibious											
Schmiedgen											
Submerged fine-leaved											
Filamentous algae											

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

Notes: Use tick in boxes of genera to show vegetation + species if possible eg Potamogeton, Potamogeton perfoliatus

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	3.0	
Banktop height (m)	0.7	0.4
Embanked height (m)	0.4	
Water width (m)	2.5	
Water depth (m)	0.4	
Banktop height (m)		0.4
Embanked height (m)		0.4

If trawling lower than banktop break in slope, indicate height (m) 0.4 width (m) 2.35

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) _____

M. ARTIFICIAL FEATURES (Use 1-11 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Feeds = _____

Footbridges = _____ Roadbridges = _____ Other = _____

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: _____

weed-cutting ☐ reinforcement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	Other (run)
Waterfalls > 5m high		
Artificial open water		
Brailled/side channels		
Natural open water		
Debris dams		
Water meadow		
Leafy debris		
Fen		
Marsh		
Flush		

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11 then indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Straight tree-lined channel. Clay in bank

Plants of note: (see list) Substrate = Silty, some gravel.

Major conservation features: BL weed on LHB.

Major impacts: _____

Incidental observations (animals etc): _____

IF 2-11 - See notes on page 2

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for forwarding. Labels supplied on request.

DATES. heard
1-4-1976

PLANTS - Use 1st 4 bulbs of Greens of Pota, Potomogon
+ species if possible of Pota part a Potomogon part

Have you completed your expenses for this week? (send to FND for signature!)

Envelopes supplied! Post completed films for processing - labels supplied - 45 strips

NRA RIVER HABITAT SURVEY 1995: IFB 7-1-1 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3994
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: SP 725216 River: RAV
Date: 12/15/1995 Time: 09:15 Surveyor name: TR, JN, PH, LAK, TBM
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Special features: General character? No Yes (tick one box) Sub N. m.
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes/other description

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles Unvegetated point bars
Pools Vegetated point bars
(If E or F = see page 2 of 4)

National Rivers Authority

DATES: Record 12/15/95 prepared 12/15/95 validated 12/15/95 data entry 12/15/95

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (if the point bar is located (P))

Spot check 1 is at: upstream end ☐ of site ☒ of site ☐ (tick one)

	1	2	3	4	5	6	7	8	9	10	11
LEFT BANK location description	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (one)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE - Use suitable code											
Channel substrate (one)	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
Flow type (one)	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK location description	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (one)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: choose one from FL, CP, NH, IC, LP, PL, OW, NO, JL, SU, C = HERB (Herbaceous), H = HAY (Hay), F = FODDER (Fodder), L = LUSH (Lush), M = MATURE (Mature), P = PASTURE (Pasture), S = SAVANNAH (Savannah), T = TROPICAL (Tropical), U = UPLAND (Upland), W = WETLAND (Wetland), X = XEROPHYTIC (Xerophytic), Y = YARDBROOK (Yardbrook), Z = ZONE (Zone)

LAND USE WITHIN 5m OF BANKTOP (L)

	1	2	3	4	5	6	7	8	9	10	11
LEFT BANK-TOP (structure within 1m)	C	C	C	C	C	C	C	C	C	C	C
LEFT BANK FACE (structure)	L	L	L	L	L	L	L	L	L	L	L
RIGHT BANK FACE (structure)	L	L	L	L	L	L	L	L	L	L	L
RIGHT BANK-TOP (structure within 1m)	L	L	L	L	L	L	L	L	L	L	L
LAND USE WITHIN 5m OF BANK TOP (R)	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 35% area) or F (green))

NONE (tick)

	1	2	3	4	5	6	7	8	9	10	11
Emergent broad-leaved beds											
Emergent narrow-leaved beds											
Emergent sedge/scrub/moss											
Flowering/seeded (one)											
Free-floating											
Amphibious											
Submerged - broad-leaved											
Submerged fine-leaved											
Filamentous algae											

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F) ↑

PLANTS - Use 1-11 labels of Green = Green, 12 = Brown, 13 = Yellow, 14 = Red, 15 = Purple, 16 = Blue, 17 = Grey, 18 = Black, 19 = White, 20 = Other (state)

SECRET 1

SITE NO. 3994 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 35% banklength) or F if present)

	L	R		L	R
Broadleaved/woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	E
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 35% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gravel			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after filling predetermined box					
SOILS (tick one box)					
None			Peached		
Isolated/scattered			Embanked		
Regularly spaced, single			Set-back embankments		
Occasional clumps					
Semi-continuous					
Continuous					

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	NOTES	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	NOTES
None				Shading of channel			
Isolated/scattered				Overhanging boughs			
Regularly spaced, single				Exposed bankside roots			
Occasional clumps				Underwater tree roots			
Semi-continuous				Fallen trees			
Continuous				Coarse woody debris			

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	NOTES		None	Present	NOTES
Waterfall(s) - free-fall				Marginal deadwater - silt			
Cascade(s) - chute				Exposed bedrock			
Step/pool sequence				Exposed boulders			
Rapid(s) - whitewater				Unvegetated mid-channel bars			
Riffle-pool sequence				Vegetated mid-channel bars			
Rune(s) - disturbed, rippled				Natural island(s)			
Boil(s) - upwellings				Unvegetated side bars			
Glide(s) - smooth, no eddies				Vegetated side bars			

Have you completed your expenses from this week? (send to FWD for signature)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	6.0	
Banktop height (m)	1.75	1.3
Embanked height (m)	0.5	0.5
Water width (m)	0.5	0.5
Water depth (m)	0.5	0.5
Embanked height (m)	0.5	0.5
If trilline lower than banktop break in slope, indicate: height (m) 0.5 width (m) 2.0		
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>		
Location of measurement is: riffle <input type="checkbox"/> run or glide <input type="checkbox"/> other <input checked="" type="checkbox"/> (tick one box) Slope (IFE only)		

M. ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 1 Outfalls = 1 Fords = 1
Footbridges = 1 Roadbridges = 1 Other = 1
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box(es))

dredging ☐ moving ☐ Other? State
weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11 indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Small agricultural ditch - predominantly RS.
Plants of note: (see list)
Major conservation features:
Major impacts: RS in past & extensive poaching at top end.
Incidental observations (animals etc):

IF EXCLUDED FROM THE D. FIELD NO.

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased tree? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for posting. Labels supplied.

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3995
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: SP828204 River: HARDWICK BROOK
 Date: 11/1/1995 Time: 10:30 Surveyor name: G.C. MARY
 Adverse conditions affecting survey? No ☐ Yes ☒ If yes, state: Wet
 Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)
 Discharge photographs: general character? No ☒ Yes ☐ (tick one box) Good
 Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/extra diagrams

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11, then indicate total number)

Riffles 2 Unvegetated point bars
 Pools 2 Vegetated point bars
 IFE - 1-11 - 500m (1-11)

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (if channel is not straight, use 10m wide zone)

Spot check 1 is at upstream end of riffle

	1	2	3	4	5	6	7	8	9	10	11
LEFT BANK (looking downstream)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (fine)	RS	NO	NO	RS	RS	RS	RS	RS	RS	RS	RS
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE	Use the scale for the right bank										
Channel substrate (fine)	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type (fine)	SM	RF	RF	NP	NP	NP	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (looking upstream)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (fine)	RS	NO	NO	RS	RS	RS	RS	RS	RS	RS	RS
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide stretch)

Land use: choose one from RL, CP, NH, IC, FP, RL, OR, IL, IL, IL

	1	2	3	4	5	6	7	8	9	10	11
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m)	U	C	S	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	S	S	S	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	S	U	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	U	U	U	U	U	U	U	U	U	U	U

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry, use E (in 33% area) or F (percent))

	1	2	3	4	5	6	7	8	9	10	11
NONE (tick)											
Liverworts/mosses/lichens											
Emergent broad-leaved herbs											
Emergent reeds/sedges/rushes											
Flowering-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine-leaved											
Filamentous algae											

Use end 'catch all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use UK 4 digit code of genus & species if possible of plants present in the vegetation

Repeat 1

SITE NO. 3995 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F if present)

	L	R	L	R
Broadleaf/mixed woodland (BL)				
Coniferous plantation (CP)				
Moorland/heath (MH)				
Scrub (SC)				
Rough pasture (RP)				
Wetland (eg bog, marsh, fen) (WL)				
Open water (OW)				
Improved/hemi-improved grass (IG)				
Tilled land (TL)				
Suburban/urban development (SU)				

I BANK PROFILES (Use E (in 33% banklength) or F if present)

	L	R	L	R
Natural/unmodified				
Vertical/undercut				
Vertical + toe				
Steep (>45°)				
Gentle				
Composite				
Artificial/modification				
Reinforced				
Reinforced - whole bank				
Reinforced - top only				
Reinforced - toe only				
Artificial two-stage				
Reinforced				
Reinforced				
Reinforced				

Use this space to show profile if different from above, after filling predominant box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	Notes	Associated features (Tick one box per feature)	None	Present E	Notes
None				Shading of channel			
Isolated/scattered				Overhanging boughs			
Regularly spaced, single				Exposed bankside roots			
Occasional clump				Underwater tree roots			
Semi-continuous				Fallen trees			
Continuous				Coarse woody debris			

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E	Notes		None	Present E	Notes
Waterfall(s) - free-fall				Marginal deadwater - slack			
Cascade(s) - chute				Exposed bedrock			
Step/pool sequence				Exposed boulders			
Rapid(s) - white-water				Unvegetated mid-channel bars			
Riffle/pool sequence				Vegetated mid-channel bars			
Run(s) - disturbed, rippled				Shoreline island(s)			
Boil(s) - upwellings				Unvegetated side bars			
Glide(s) - smooth, no eddies				Vegetated side bars			

Have you completed your squares for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Banktop width (m)	Water width (m)	Banktop height (m)
LEFT BANK	3.0	2.0	2.0
RIGHT BANK	2.0	2.0	2.0

Banktop height (m) 2.0 Water width (m) 2.0 Banktop height (m) 2.0
 Embankment height (m) 0.1 Water depth (m) 0.1 Embankment height (m) 0.1
 If trashing lower than banktop break in slope, indicate: height (m) 0.25 width (m) 4.25
 Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐
 Location of measurement in: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-11, then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =
 Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

digging ☐ mowing ☐ Other? State
 weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Carr
	Marsh
	Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? No ☒ YES ☐ NOT OVER 500m

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-11, then indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Lowland ditch/stream, hard GP substrate
 Plants of note (see list): Plenty of filamentous algae & "Scum"
 Major conservation features:
 Major impacts: RS in past
 Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB
 Envelopes supplied! Post completed form for processing - (labels supplied at site)

NRA RIVER HABITAT SURVEY 1995: IFB P.A.A. Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope(m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3936
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: SP 955 225 River: OUZEL
Date 2.15.1995 Time: 12:40 Surveyor name: JB, JW, PM, LG, AK, TBM
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: Wet
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box) 50m 10m 10m
Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + NATS/mh/UGRAM

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 11 then indicate total number)

Riffles 4 Unvegetated point bars
Pools 1 Vegetated point bars
IFE = 10 - 1000 (m/s)

National Rivers Authority

DATES, RECORD, framed, visited, details, checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 11 Pools 1 Unvegetated point bars 1 Vegetated point bars 1

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (Mark presence of feature)

Spot check 1 is at: upstream end of site (left bank) 1 2 3 4 5 6 7 8 9 10

LEFT BANK (looking downstream)

Bank material (fine) SL, SO, CO, GS, LA, FE, CL EA EA EA EA EA EA EA EA EA EA
Bank modification(s) NO, SL, LA, FC, AM, LM NO NO NO NO NO NO NO NO NO NO
Bank feature(s) NO, NO, FC, SC, BP, BP, BP NO NO NO NO NO NO NO NO NO NO
CHANNEL NOTE: Use scale of 1-10 (CP + SA)
Channel substrate (fine) SL, SO, CO, GS, LA, FE, CL SP SP SP SP SP SP SP SP SP SP
Flow type (fine) FF, CB, BW, UP, CP, AP, UP, SP, NO SA SA SA SA SA SA SA SA SA SA
Channel modification(s) NO, NO, LA, LA, LA, LA NO NO NO NO NO NO NO NO NO NO
Channel feature(s) NO, NO, UP, BP, BP, BP NO NO NO NO NO NO NO NO NO NO

RIGHT BANK (looking downstream)

Bank material (fine) SL, SO, CO, GS, LA, FE, CL EA EA EA EA EA EA EA EA EA EA
Bank modification(s) NO, SL, LA, FC, AM, LM RS RS RS RS RS RS RS RS RS RS
Bank feature(s) NO, NO, FC, SC, BP, BP, BP NO NO NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CP, SH, SC, AP, PL, OW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) SL, SL, BL, BL, TL, TL, TL, TL, TL, TL
LEFT BANK-TOP (structure within 1m) SC, SC, SC, SC, SC, SC, SC, SC, SC, SC
LEFT BANK FACE (structure) SC, SC, SC, SC, SC, SC, SC, SC, SC, SC
RIGHT BANK FACE (structure) SC, SC, SC, SC, SC, SC, SC, SC, SC, SC
RIGHT BANK-TOP (structure within 1m) SC, SC, SC, SC, SC, SC, SC, SC, SC, SC
LAND USE WITHIN 5m OF BANK TOP (R) SC, SC, SC, SC, SC, SC, SC, SC, SC, SC

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or J (percent))

NONE ☒ Plant genera (list in notes)

Emergent broad-leaved herbs ☒
Emergent reeds ☒
Floating-leaved ☒
Free-floating ☒
Amphibious ☒
Submerged ☒
Submerged fine-leaved ☒
Filamentous algae ☒

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or J) †

PLANTS - Use list of plants of Grimes & Plant. Soc. Vegetation & species if possible of beta part of stratification patterns

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or J if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)	E		Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)	E		Tilled land (TL)	E	E
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or J if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E		Recessed	E	E
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after filling predetermined box					
	Preached				
	Embanked				
	Set-back embankments				

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

	Left	Right	NATS	E ≥ 33%	None	Present	E	NO YES
None								
Isolated/scattered								
Regularly spaced, single								
Occasional clumps								
Semi-continuous								
Continuous								

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present	E	NO YES
Shading of channel				
Overhanging boughs				
Exposed bankside roots				
Underwater tree roots				
Fallen trees				
Coarse woody debris				

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	NO YES
Waterfall(s) - free-fall				
Cascades(s) - chute				
Step-pool sequences				
Rapid(s) - whitewater				
Riffle-pool sequences				
Runs(s) - disturbed, rippled				
Boils(s) - upwellings				
Glide(s) - smooth, no eddies				
Marginal deadwater - slock				
Exposed bedrock				
Exposed boulders				
Unvegetated mid-channel bars				
Vegetated mid-channel bars				
Mature island(s)				
Unvegetated side bars				
Vegetated side bars				

Have you completed your exposure for this week? (Send E & FND for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	5.0	
Banktop height (m)	2.25	2.25
Water width (m)	3.5	
Water depth (m)	0.5	
Embanked height (m)		3.75

If trashline lower than banktop break in slope, indicate: height (m) 1.0 width (m) 3.75

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 11 indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = 1 Weirs = 1 Outfalls = 1 Fords = 1
Footbridges = 1 Roadbridges = 1 Other = 1

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☒ mowing ☐ Other? State: FREE "PENDING"
weed-cutting ☐ enhancement ☐ (i.e. overhanging boughs!)

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)

Braided/side channels ☐ Artificial open water ☐ Bog ☐ Carr ☐ Other (state):

Debris dams ☐ Natural open water ☐ Marsh ☐

Leafy debris ☐ Water meadow ☐ Flurb ☐

Fen ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use E or J)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentences: Recently RS channel. Straight, mostly CP/SA substr.
Plants of note: (see list)
Major conservation features:
Major impacts: RS: mostly on R4 bank 1st 250m although R4B prob.
L4 bank 2nd 250m RS entirely in part.
Incidental observations (animals etc):

IFE channel sample taken ☒ filtered ☐

S. DISPERSED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other dispersed trees? State:

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied & stamps

NRA RIVER HABITAT SURVEY 1995: IFB, P.1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3997
Mid-section grid reference of network site if different from designated location: TL 046204

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TL 045293 River: CAMPION BROOK
Date: 27.10.1995 Time: 16.00 Surveyor name: JB, JN, PH, LAK, TGM
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: 6C, 6D, 6E, 6F, 6G, 6H, 6I, 6J, 6K, 6L, 6M, 6N, 6O, 6P, 6Q, 6R, 6S, 6T, 6U, 6V, 6W, 6X, 6Y, 6Z
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☐ (tick one box) Site No. on Board: 1
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☒ asymmetrical floodplain
☐ concave/bowl ☐ + notes/other features

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 5 Unvegetated point bars
Pools 2 Vegetated point bars
(If E=10, see 6.1.1.1)

National Rivers Authority

DATES: Record prepared validated checked

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (Min. 10% of 10m)

Spot check 1 is at: upstream end ☐ of site ☒ (tick one)

LEFT BANK (looking downstream)

Bank material (fine) HE, SO, CO, LE, FE, CL
Bank modification ☒ NO, LE, FE, CL, M, E, N
Bank feature(s) ☒ HE, SO, CO, LE, FE, CL, M, E, N
Channel substrate (fine) HE, SO, CO, LE, FE, CL, M, E, N
Flow type (fine) HE, SO, CO, LE, FE, CL, M, E, N
Channel modification ☒ NO, LE, FE, CL, M, E, N
Channel feature(s) ☒ NO, LE, FE, CL, M, E, N
RIGHT BANK (looking downstream)

Bank material (fine) HE, SO, CO, LE, FE, CL
Bank modification ☒ NO, LE, FE, CL, M, E, N
Bank feature(s) ☒ HE, SO, CO, LE, FE, CL, M, E, N

F BANK-TOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, IS, IC, LP, PL, CR, IO, IL, IU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BL, BL, RP, RP, RP, RP, RP, RP, RP, RP
LEFT BANK FACE (structure) BL, BL, RP, RP, RP, RP, RP, RP, RP, RP
RIGHT BANK-TOP (structure within 1m) BL, BL, RP, RP, RP, RP, RP, RP, RP, RP
RIGHT BANK FACE (structure) BL, BL, RP, RP, RP, RP, RP, RP, RP, RP
LAND USE WITHIN 5m OF BANK TOP (R) BL, BL, RP, RP, RP, RP, RP, RP, RP, RP

G CHANNEL VEGETATION TYPES (fill in relevant boxes, with one box; use E (0-33% cover) or F (33-100% cover))

NONE (tick) ☐ Plant species (tick one)

Emergent broad-leaved herbs ☒ Cyperus
Emergent narrow-leaved herbs ☐
Floating-leaved (perennial) ☐
Free-floating ☐
Amphibious ☒ Equisetum
Submerged - broad-leaved ☐
Submerged fine-leaved ☐
Filamentous algae ☐

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (see E or F)

PLANTS - Use at least 4 of 6 groups in 10m x 10m transect
+ species if possible of 10m x 10m transect

REPEAT 1

SITE NO. 3997 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 20m OF BANKTOP (Use E (0-33% banklength) or F if present)

I BANK PROFILES (Use E (0-33% banklength) or F if present)

Natural/unmodified ☐ L R Artificial/unmodified ☐ L R
Vertical undercut ☒ Retained ☐ E E
Vertical + toe ☐ Reinforced - w/belt bank ☐ E E
Steep (> 45°) ☐ Reinforced - top only ☐ E E
Gentle ☐ Reinforced - toe only ☐ E E
Composite ☐ Artificial two-stage ☐
Use this space to show profile of different bank elevations, after defining predominant bed

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

None ☐ Left ☐ Right ☒ E 2-33%
Isolated/scattered ☐ Overhanging boughs ☐ Present E
Regularly spaced, single ☐ Exposed bankside roots ☐ No trees
Occasional clumps ☐ Underwater tree roots ☐
Semi-continuous ☐ Fallen trees ☐
Continuous ☐ Coarse woody debris ☐

ASSOCIATED FEATURES (tick one box per feature)

None ☐ Present E No trees
Shifting of channel ☐
Overhanging boughs ☐
Exposed bankside roots ☐
Underwater tree roots ☐
Fallen trees ☐
Coarse woody debris ☐

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

Waterfall(s) - free-fall ☐ Marginal deadwater - slack ☐ Present E No trees
Cascades(s) - chute ☐ Exposed bedrock ☐
Step-pool sequence ☐ Exposed boulders ☐
Rapid(s) - whitewater ☐ Unvegetated mid-channel bars ☐
Riffle-pool sequence ☐ Vegetated mid-channel bars ☐
Run(s) - disturbed, rippled ☐ Mature island(s) ☐
Belt(s) - upwellings ☐ Unvegetated side bars ☐
Glide(s) - smooth, no eddies ☐ Vegetated side bars ☐

Have you completed your expenses for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 2.0 **RIGHT BANK** Banktop width (m) 1.5
Banktop height (m) 0.5 Banktop height (m) 0.5
Embedded height (m) 0.1 Embedded height (m) 0.1
If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) 1

M ARTIFICIAL FEATURES (Use 1-10; indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 0 Outfalls = 0 Feeds = 0
Feetbridges = 0 Roadbridges = 0 Other = 0
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ moving ☐ Other? State: None
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) None
Enailed/vide channels ☐ Natural open water ☐ Carr ☐
Debris dams ☒ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10; indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: None

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Agricultural ES ditch. Mostly S1, but S2 & S3 also.
Planis of notes: (see 1.1.2) Steep banks - channel overgrown with reeds.
Major association features: Hedge along LHS.
Major impact: RS + culvert water root.
Incidental observations (animals etc): None

S DISEASED ALBERS (tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees ☐ State: None

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing - labels supplied

<small>NRA RIVER HABITAT SURVEY 1995</small> <small>FRM R-1-A</small> Page 1 of 4			
A. BACKGROUND MAP-BASED INFORMATION			
Altitude(m)	Slope (m/km)	Flow category (1-10)	
Solid geology code	Drift geology code	Planform category	
Distance from source(km)	Significant tributary ?	Navigation ?	
B. FIELD SURVEY DETAILS			
Reference network site number: <u>3998</u>			
Mid-section grid reference of network site if different from designated location:			
COMPLETE THE FOLLOWING FOR ALL SITES			
Grid Reference: <u>TL 185289</u>	River: <u>HIZ</u>	<small>TS TW FH 16 AK 76m</small> <small>6-C MLE NO</small> 16 <small>6-A 76m</small>	
Date <u>7/16/1995</u>	Time: <u>14:00</u>	<small>Surveyor name</small> <small>(write or add)</small>	
Adverse conditions affecting survey?	No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	If yes, state	
Bed of river visible?	No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input checked="" type="checkbox"/>	(tick one box)	
<small>special features</small> <small>Photograph - reflect general character? No</small> <input checked="" type="checkbox"/> <small>Yes</small> <input checked="" type="checkbox"/> <small>(tick one box)</small> <small>with 6-A 76m</small> <small>Ground - reflect main aspect of features?</small> <input type="checkbox"/> <small>Boat</small>			
Site surveyed from: left bank <input type="checkbox"/> right bank <input type="checkbox"/> channel <input checked="" type="checkbox"/> (tick as appropriate)			
C. PREDOMINANT VALLEY FORM (tick one box only)			
 <input checked="" type="checkbox"/> shallow vee	 <input type="checkbox"/> terraced valley floor		
 <input type="checkbox"/> deep vee	 <input type="checkbox"/> symmetrical floodplain		
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain		
 <input type="checkbox"/> concave bowl	+ NOTES/mile <u>2</u> <u>1000m</u>		
D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [H] then indicate total number)			
Riffles <u>4</u>	Unvegetated point bars		
Pools <u>4</u>	Vegetated point bars		
<small>IFE-m-1 - See river profile</small> <small>National Rivers Authority</small>			

Page 2 of 4

NRA RIVER HANBIT SURVEY 1995: TEN SPOT CHECKS

Riffles ☐ / ed ☒
Pools ☐
Unvegetated point bars ☐
Vegetated point bars ☐

E C PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (d) (Mile & section) feature (f)

Spot check 1 is at: upstream end of site
downstream (tick one) 1 2 3 4 5 6 7 8 9 10 add

LEFT BANK: location downstream

Bank material (fine)	<input type="checkbox"/> BL, CO, CL, SL, FL, GL	BR	BR	BR	BR	BR	BR	BR	BR		BR
Bank modification(s)	<input checked="" type="checkbox"/> NO, SL, PL, SC, SH, SW	R1	R1	R1	R1	R1	R1	R1	R1		R1
Bank feature(s)	<input checked="" type="checkbox"/> AS, PS, EC, FC, LR, LP, SR, VS	NO	NO	NO	NO	NO	NO	NO	NO		NO

CHANNEL NOTE - Use matrix for adjacent features (see)

Channel substrate (fine)	<input type="checkbox"/> BL, SL, CO, CL, ST, SI, SL, CL, GR	GP	GP	GP	GP	GP	SA	GP	D	S1
Flow type (fine)	<input type="checkbox"/> FF, OLW, UV, CF, XP, LV, LP, SV, NO	SM	NP	UV	SM	LV	SM	SV	F	NP
Channel modification(s)	<input type="checkbox"/> AS, NO, AS, SL, PL, SC	RS	RS	RS	R1	NO	NO	NO	A	RS
Channel feature(s)	<input checked="" type="checkbox"/> NO, RS, LR, LP, SV, TR	NO	NO	NO	NO	R	TR	TR	R	TR

RIGHT BANK: location downstream

Bank material (fine)	<input type="checkbox"/> BL, CO, CL, SL, FL, GL	BR	BR	BR	BR	BR	BR	BR	BR		BR
Bank modification(s)	<input type="checkbox"/> NO, SL, PL, SC, SH, SW	R1	R1	R1	R1	R1	R1	R1	R1		R1
Bank feature(s)	<input type="checkbox"/> AS, PS, EC, FC, LR, LP, SR, VS	NO	NO	NO	NO	NO	NO	NO	NO		NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, USG, SC, SP, RL, OW, HL, ZL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

	CU	CU	SH	SU	SU	SU	SU	SU	I	SU
--	----	----	----	----	----	----	----	----	---	----

LEFT BANK-TOP (structure within 1m) EUSC

	U	B	B	S	U	B	B	P	S
--	---	---	---	---	---	---	---	---	---

LEFT BANK FACE (structure) EUSC

	B	U	L	B	U	U	U	L	P	B
--	---	---	---	---	---	---	---	---	---	---

RIGHT BANK FACE (structure) EUSC

	B	L	L	U	U	L	B	B	B
--	---	---	---	---	---	---	---	---	---

RIGHT BANK-TOP (structure within 1m) EUSC

	B	B	B	U	B	B	B	B	B
--	---	---	---	---	---	---	---	---	---

LAND USE WITHIN 5m OF BANK TOP (R)

	SU	SU	SH	SU	SU	SU	SU	SU	I	SU
--	----	----	----	----	----	----	----	----	---	----

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (to 15% area) or L (percent))

Plant group (feature)										
NONE (none)										
Emergent broad-leaved herbs										
Emergent needle-leaved/herbs										
Flowering-leaved (spotted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or I) ↑

PLANTS - Use left half of boxes to identify plants
+ species of possible + Pota part of Potamogeton pectinatus
ex 24-11

H LAND USE WITHIN 50m of BANKTOP: Use E (in 33% banktop) or / if present					
	L	R		L	R
Broadleaf/finished woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (H)			Improved/semi-improved grass (IG)	✓	✓
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU/UR)	E	E
I BANK PROFILES Use E (in 33% banktop) or / if present					
Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		E
Slope (> 45°)			Reinforced - top only		✓
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking preformed box			Poached		
			Embanked		
			Set-back embankment		
J EXTENT OF TREES AND ASSOCIATED FEATURES					
TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
	Left	Right	WATER	None	Present
None	<input type="checkbox"/>	<input type="checkbox"/>	E 233%	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>
K EXTENT OF CHANNEL FEATURES: (Tick one box per feature)					
	None	Present		None	Present
Waterfall(s) - freefall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Step/step sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle/pool-magnon	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Rom(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bell(s) - spawellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle			
LEFT BANK	Banktop width (m)	2-25	RIGHT BANK
Banktop height (m)	Water width (m)	2-25	Banktop height (m)
Embanked height (m)	Water depth (m)	0-1	Embanked height (m)
If trashline lower than banktop break in slope, indicate: height (m) 0-2 width(m) 2-25			
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)			
NATURAL FEATURES (Use <u>U</u> indicate total number, tick "none" where appropriate)			
None <input type="checkbox"/>	Number of Culverts = 1	Weirs = 3	Outfalls = 0
	Footbridges = 5	Roadbridges = 2	Others =
Is water level controlled by weir/dam downstream? No <input type="checkbox"/>		Part of site <input checked="" type="checkbox"/>	1784 Moss/whole of site <input type="checkbox"/>
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)			
dredging <input type="checkbox"/>	mowing <input type="checkbox"/>	Other? State	
weed-cutting <input type="checkbox"/>	enhancement <input type="checkbox"/>		
O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))			
CHANNEL FLOODPLAIN (50m corridor)			
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state)
Braided/wide channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carri <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	
P CHOKED CHANNEL (Tick one box)			
Is 35% or more of the channel choked with vegetation? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			
Q NOTABLE NUISANCE PLANT SPECIES (Use / or & for more than one)			
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other? State			
R BRIEF DESCRIPTION: (Use prompts and key words as appropriate)			
Descriptive sentence: Highly modified channel: upper part through Priority grounds; mid section: RS & straight, through town; lower section culverted -> ornamental pond in town.			
Major impacts: RS / RI & Wier 3/4 down Surrey reach. + large section culverted / bridged (640)			
Incidental observations (animals etc):			
IFE 2 chnls along left <input checked="" type="checkbox"/> filtered <input checked="" type="checkbox"/> > BRIDGES dating back to 1784 !!			
S DISEASED ANIMALS (Tick one box)			
None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other disease? State			

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: IFB - A-A' Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3999
Mid-section grid reference of network site (if different from designated location):
COMPLETE THIS FOLLOWING FOR ALL SITES
Grid Reference: TL 295365 River: BEANE
Date: 7.1.1995 Time: 11.00 Surveyor name: J. W. P. H. I. A. K. T. G. W.
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Essential photographs: general character? No ☐ Yes ☒ (tick one box) with site No. on!
Essential - features visible? No ☐ Yes ☒ (tick one box) with site No. on!
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM? (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/other features

D. NUMBER OF RIFLES, POOLS AND POINT BARS (Use [H] then indicate total number)

Rifles: Unvegetated point bars
Pools: Vegetated point bars
(If E = 100 - See notes on page 4)

National Rivers Authority

J. W. P. H. I. A. K. T. G. W. J. W. P. H. I. A. K. T. G. W.

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Rifles: Unvegetated point bars
Vegetated point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (Mark presence/absence of feature)

Spot check 1 is at: upstream end of site (tick one)
1 2 3 4 5 6 7 8 9 10

LEFT BANK (look up downstream)

Bank material (fine) RS RS RS RS RS RS RS RS RS RS
Bank modifications NO NO NO NO NO NO NO NO NO NO
Bank features NO NO NO NO NO NO NO NO NO NO
CHANNEL NOTE: Use table to indicate (CB = SILT)
Channel substrate (fine) GP GP GP GP GP GP GP GP GP GP
Flow type (fine) NP NP NP NP NP NP NP NP NP NP
Channel modification NO NO NO NO NO NO NO NO NO NO
Channel features NO NO NO NO NO NO NO NO NO NO

RIGHT BANK (look up downstream)

Bank material (fine) RS RS RS RS RS RS RS RS RS RS
Bank modifications NO NO NO NO NO NO NO NO NO NO
Bank features NO NO NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, SP, ST, SW, TL, TV
LAND USE WITHIN 5m OF BANKTOP (L) LG LG LG LG LG LG LG LG LG LG
LEFT BANK-TOP (structure within 1m) EUSC U U U U U U U U U U
LEFT BANK FACE (structure) EUSC S U U U U U U U U U
RIGHT BANK FACE (structure) EUSC U U U U U U U U U U
RIGHT BANK-TOP (structure within 1m) EUSC U U S U U U U U U U
LAND USE WITHIN 5m OF BANK TOP (R) LG LG LG LG LG LG LG LG LG LG

G. CHANNEL VEGETATION TYPES (Use in relevant boxes with one entry per E (in 33% area) or if present)

NONE (tick) Plant genera (list in notes)
Liverworts/mosses/lichens
Emergent broad-leaved herbs
Emergent reeds/sedges/rushes
Floating-leaved (rooted)
Free-floating
Amphibious
Submerged - broad-leaved
Submerged fine-leaved
Filamentous algae

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or J) ☒

PLANTS = Use list of plants of stream in file, or list of plants + species if possible eg. *Potamogeton pectinatus*

REPEAT 1

SITE NO. 3999 NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or J if present)

L R L R L R L R
Broadleaf/woodland (BL) ☒ Wetland (eg bog, marsh, fen) (WL)
Coniferous plantation (CP) ☐ Open water (OW)
Moorland/heath (MH) ☐ Improved/semi-improved grass (IG)
Scrub (SC) ☐ Tilled land (TL)
Rough pasture (RP) ☐ Suburban/urban development (SU) ROAD ☒

I. BANK PROFILES (Use E (in 33% banklength) or J if present)

Vertical/unmodified L R Artificial/unmodified L R
Vertical/undercut ☒ Reinforced ☒
Vertical + toe ☒ Reinforced - whole bank ☒
Steep (> 45°) ☒ Reinforced - top only ☒
Gentle ☒ Reinforced - toe only ☒
Composite ☒ Artificial two-stage ☒
Use this space to draw profile if different from above, after taking predominant bank
PC banks as steep as top. ☒ Poached ☒
Embarked ☒
Set-back embankments ☒

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)
None ☐ Left ☒ Right ☒
Isolated/tumescence ☒
Regularly spaced, single ☐
Occasional clumps ☐
Semi-continuous ☐
Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)
None ☐ Present ☒
Shading of channel ☐
Overhanging boughs ☒
Exposed bankside roots ☒
Underwater tree roots ☒
Falling trees ☒
Coarse woody debris ☒

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None ☐ Present ☒
Waterfall(s) - freefall ☒
Cascades(s) - chute ☒
Step/pool sequences ☒
Rapid(s) - whitewater ☒
Riffle-pool sequence ☒
Run(s) - disturbed, rippled ☒
Boil(s) - upwellings ☒
Glide(s) - smooth, no eddies ☒

Marginal freshwater - slack ☒
Exposed bedrock ☒
Exposed boulders ☒
Unvegetated mid-channel bars ☒
Vegetated mid-channel bars ☒
Mature island(s) ☒
Unvegetated side bars ☒
Vegetated side bars ☒

Have you updated your species from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 8.0 RIGHT BANK
Banktop height (m) 1.5 Water width (m) 4.0 Banktop height (m) 1.5
Banktop height (m) 0.3 Water depth (m) 0.3 Banktop height (m) 0.3
If bankline lower than banktop break in slope, indicate: height (m) width (m)
Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ (SLT OVER CHANNEL)
Location of measurement is: riffle ☐ run or glide ☒ other ☐ (pick one box) Slope (1/E only) ☒

M. ARTIFICIAL FEATURES (Use [H] indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 1 Weirs = Roadbridges = Outfalls = Fords =
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State:
weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Loose debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒ PLANTS

Q. NOTABLE NUISANCE PLANT SPECIES (Use [H] indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: RS Agnion 'Vura' stream - extensive poaching 1/2 1/2.
Plants of note (in 1.5) Road along RHG lower 1/2.
Major conservation features: small fragment of Blackthorn hedge on EUS.
Major impacts: RS & dry with intermittent pools.
Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB
Envelopes supplied! Post completed form for processing - labels supplied separately

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Fluvium category
 Distance from source (km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4004
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TL738231 River: PODS FORD / BLANKWATER
 Date 24.5.1995 Time: 10.40 Surveyor name: JB, JW, FH, LG, AK, TGM
 Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state: if yes, state
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Photographs: general character? No ☐ Yes ☒ (tick one box) with site on!
 Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/other main

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 4 Unvegetated point bars 2
 Pools 1 Vegetated point bars 1
 IFE (m) = 500 (see p. 10 of 1)

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 (m) Spot check 2 (m) Spot check 3 (m) Spot check 4 (m) Spot check 5 (m) Spot check 6 (m) Spot check 7 (m) Spot check 8 (m) Spot check 9 (m) Spot check 10 (m)

LEFT BANK (looking downstream)

Bank material (fine) NO, CO, CL, SL, PE, CL
 Bank modification(s) ☒ NO, SL, PE, CL, SL, PE, CL
 Bank features(s) ☒ NO, CO, CL, SL, PE, CL, SL, PE, CL
 CHANNEL NOTE: Use the left bank
 Channel substrate (fine) NO, CO, CL, SL, PE, CL, SL, PE, CL
 Flow type (fine) NO, CO, CL, SL, PE, CL, SL, PE, CL
 Channel modification(s) ☒ NO, CO, CL, SL, PE, CL
 Channel features(s) ☒ NO, CO, CL, SL, PE, CL, SL, PE, CL

RIGHT BANK (looking downstream)

Bank material (fine) NO, CO, CL, SL, PE, CL
 Bank modification(s) ☒ NO, SL, PE, CL, SL, PE, CL
 Bank features(s) ☒ NO, CO, CL, SL, PE, CL, SL, PE, CL

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 1m wide transect)

Land use: choose one from PL, CP, SH, SC, SP, SL, SW, TL, SU
 LAND USE WITHIN 5m OF BANKTOP (L) PL CP SH SC SP SL SW TL SU
 LEFT BANK TOP (structure within 1m) BAUSE
 LEFT BANK FACE (structure) BAUSE
 RIGHT BANK FACE (structure) BAUSE
 RIGHT BANK TOP (structure within 1m) BAUSE
 LAND USE WITHIN 5m OF BANKTOP (R) PL CP SH SC SP SL SW TL SU

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one except; use B (2-33%) or C (33-100%) if appropriate)

NONE (tick) Montana (H. r. m.)
 Liverwort ☐
 Mosses/lichens ☐
 Emergent broad-leaved herbs ☒
 Emergent reedy sedges/foxtails ☒
 Floating-leaved (rooted) ☐
 Free-floating ☐
 Amphibious ☒
 Submerged - broad-leaved ☐
 Submerged fine-leaved ☐
 Filamentous algae ☐

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V) †

PLANTS - Use list of plants of Great Britain & Ireland (see p. 10 of 1) + species if possible of local plant & foreign plant

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (2-33% banklength) or F if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		F
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		E
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (2-33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modification		
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Peached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	Notes	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	Notes
None				Shading of channel			
Isolated/scattered				Overhanging boughs			
Regularly spaced, single				Exposed bankside roots			
Occasional clumps				Underwater tree roots			
Semi-continuous				Fallen trees			
Continuous				Coarse woody debris			

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes		None	Present	Notes
Waterfall(s) - free-fall				Marginal deadwater - slack			
Cascade(s) - chute				Exposed bedrock			
Step/pool sequence				Exposed boulders			
Rapid(s) - whitewater				Unvegetated mid-channel bars			
Riffle-pool sequence				Vegetated mid-channel bars			
Road(s) - disturbed, rippled				Mature island(s)			
Boil(s) - swellings				Unvegetated side bars			
Glide(s) - smooth, no eddies				Vegetated side bars			

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	3.25	RIGHT BANK	
Banktop height (m)	0.75		Banktop height (m)	0.75
Enhanced height (m)			Enhanced height (m)	
Water width (m)			Water depth (m)	
Water depth (m)			Banktop width (m)	

If trawl line lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 3 Weirs = 1 Outfalls = 1 Ponds = 1
 Footbridges = 3 Reservoirs = 1 Other = 1
 Is water level controlled by weirs/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☒ Other? State re-excavation but not recent
 weed-cutting ☐ enhancement ☒

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Brick/stone channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Cart
	Marsh
	Flats

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 then indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State none

R. BRIEF DESCRIPTION (Use prompts and 1-10 words at appropriate intervals)

Descriptive sentences: Downstream long riffle with gravel substrate through arches
old downstream end straightened on left substrate
open water on left bank downstream is a fishery
 Plants of note: none
 Major conservation features: none
 Major impacts: Agricultural land
 Incidental observations (animals etc): none

S. DISTURBED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State none

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, B120 6BB

Envelopes supplied! Post completed forms for posting - labels supplied

Have you completed your responses for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4005
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: TL875285 River: Colne
Date: 31/5/1995 Time: 14:10 Surveyor name: JB, JW, PH, LAK, TGM
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None
Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box) Bank
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes: note: Dunes

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11, then indicate total number)

Riffles: 5 Unvegetated point bars: 0
Pools: 0 Vegetated point bars: 0

IFB - not - see your sample

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box per feature)

Spot check 1 is at: upstream end ☐ of site ☐ (tick one box)
1 2 3 4 5 6 7 8 9 10

LEFT BANK (looking downstream)
Bank material (fine) CL CL CL CL CL CL CL CL CL CL
Bank modification(s) ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Bank feature(s) ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
CHANNEL NOTE: Use: sand, silt, gravel, stones, pebbles, cobbles, boulders, etc.
Channel substrate (fine) CL CL CL CL CL CL CL CL CL CL
Flow type (fine) FP FP FP FP FP FP FP FP FP FP
Channel modification(s) ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Channel feature(s) ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
RIGHT BANK (looking downstream)
Bank material (fine) CL CL CL CL CL CL CL CL CL CL
Bank modification(s) ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Bank feature(s) ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from PL, CP, MH, SC, PP, VL, OW, RD, TL, SU
LAND USE WITHIN 5m OF BANKTOP (L) 1G 1G 1G 1G 1G 1G 1G 1G 1G 1G
LEFT BANK-TOP (structure within 1m) BASIC U S U U U U U U U
LEFT BANK FACE (structure) BASIC U U U U U U U U U
RIGHT BANK FACE (structure) BASIC S U U U U U U U U
RIGHT BANK-TOP (structure within 1m) BASIC U U U U U U U U U
LAND USE WITHIN 5m OF BANKTOP (R) 1G 1G 1G 1G 1G 1G 1G 1G 1G 1G

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or P (percent))

NONE (tick) ☒ Plant species (tick one)
Invertebrate None
Emergent broad-leaved herbs None
Emergent reeds None
Floating-leaved (spotted) None
Free-floating None
Amphibious None
Submerged - broad-leaved None
Submerged fine-leaved None
Filamentous, algae None

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or P)
PLANTS - Use tick to indicate presence of plants in the vegetation + species if possible of plant part or Potamogeton pectinatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or P (percent))

LEFT BANK **RIGHT BANK**

Broadleaf/mixed woodland (BL) ☐ Wetland (eg bog, marsh, fen) (WZ) ☐
Coniferous plantation (CP) ☐ Open water (OW) ☐
Moorland/heath (MH) ☐ Improved/semi-improved grass (IG) ☐
Scrub (SC) ☐ Tilled land (TL) ☐
Rough pasture (RP) ☐ Suburban/urban development (SU) ☐

I. BANK PROFILES (Use E (≥ 33% banklength) or P (percent))

Natural/unmodified ☐ Artificial/modified ☐
Vertical/unreinforced ☐ Reinforced - whole bank ☐
Vertical + toe ☐ Reinforced - toe only ☐
Steep (> 45°) ☐ Reinforced - toe only ☐
Gentle ☐ Artificial two-stage ☐
Composite ☐ Pooled ☐
Use this space to draw profile if different from above, after indicating predominant tree

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☐ Left ☐ Right ☐
Isolated/scattered ☐ ☐ ☐
Regularly spaced, single ☐ ☐ ☐
Occasional clumps ☐ ☐ ☐
Semi-continuous ☐ ☐ ☐
Continuous ☐ ☐ ☐

ASSOCIATED FEATURES (Tick one box per feature)

Shading of channel ☐ ☐ ☐
Overhanging boughs ☐ ☐ ☐
Exposed bankside roots ☐ ☐ ☐
Underwater tree roots ☐ ☐ ☐
Felled trees ☐ ☐ ☐
Coarse woody debris ☐ ☐ ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall ☐ Marginal deadwater - slack ☐
Cascades(s) - chute ☐ Exposed bedrock ☐
Step/pool sequence ☐ Exposed boulders ☐
Rapid(s) - whitewater ☐ Unvegetated mid-channel bars ☐
Riffle-pool sequence ☐ Vegetated mid-channel bars ☐
Runs(s) - disturbed, rippled ☐ Mature island(s) ☐
Boil(s) - upwelling or chatter ☐ Unvegetated side bars ☐
Glide(s) - smooth, no eddies ☐ Vegetated side bars ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK **RIGHT BANK**

Banktop width (m) 7 Banktop height (m) 1
Water width (m) 0.75 Water depth (m) 0.15
Banktop height (m) 0.75 Banktop width (m) 7
Water depth (m) 0.15 Banktop height (m) 0.75

If bankline lower than banktop break in slope, indicate: height (m) width (m)
Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐
Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (IFE only) ☐
Measure level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/best of site ☐

M. ARTIFICIAL FEATURES (Use 1-11, then indicate total number)

None ☐ Number of Culverts = 1 Weirs = 1 Outfalls = 1 Fords = 1
Footbridges = 1 Reefs/bridges = 1 Part of site ☐ Most/best of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State: None
weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL ☐ FLOODPLAIN (50m corridor) ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) adjacent meadow
Bridal/ridge channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Flats ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11, then indicate total number)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: None

R. BRIEF DESCRIPTION (Use drawings and key words as appropriate)

Descriptive sentence: Upstream of bridge wide slow flowing river, downstream of bridge shallow fast flowing river with riffles and ending barles.
Plants of note: Willow stream
Major conservation features: Willow stream altering the flow.
Incidental observations (animals etc): None

S. DISEASED TREES (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State: None

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB
Envelopes supplied! Post completed form for postage. Labels supplied.

Have you completed your squares for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: IFE, P-1-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 4006

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TL936275 River: Colne

Date: 13.1.1995 Time: 15.35 Surveyor name: G.C. M.L.V. NO. 126 FWD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with 60m 15m 10m

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl + notes/mph diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE - mod - 500m (see p. 1.1)

National Rivers Authority

DATES: hand planned visited details

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles Pools Unvegetated point bars Vegetated point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (4) Mark presence of feature (4)

Spot check 1 is at: upstream end of site (1) or downstream end (2)

LEFT BANK (looking downstream)

Bank material (fine) BE, SO, CO, GL, EA, FE, CL

Bank modification(s) NO, ST, RJ, FC, BH, EM

Bank feature(s) NC, NO, EC, SC, PB, VP, SB, VS

CHANNEL NOTE - Use 1-10 for channel features

Channel substrate (fine) NY, BE, SO, CO, GP, SA, SL, CL, AA

Flow type (fine) IF, COL, W, UP, CF, RP, UP, SH, LP, NO

Channel modification(s) AK, NO, RJ, RJ, DA, PD

Channel feature(s) NO, SO, AJ, RJ, RJ, TR

RIGHT BANK (looking downstream)

Bank material (fine) BE, SO, CO, GL, EA, FE, CL

Bank modification(s) NO, ST, RJ, FC, BH, EM

Bank feature(s) NC, NO, EC, SC, PB, VP, SB, VS

F HANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide distance)

Land use: choose one from BL, CP, MH, SC, AP, WL, OW, IG, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUSC

LEFT BANK FACE (structure) BAUSC

RIGHT BANK-TOP (structure within 1m) BAUSC

RIGHT BANK FACE (structure) BAUSC

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or I (present))

NONE (tick) Plant genera (list 5 max)

Liverworts mosses/lichens

Emergent broad-leaved herbs

Emergent reeds sedges/rushes

Flowering (rooted)

Free-floating

Amphibious

Submerged - broad-leaved

Submerged fine-leaved

Filament, algae

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or I)

PLANTS - Use 1-10 for genera + species of possible + species of possible + species of possible + species of possible

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or I (present))

Broadleaf/mixed woodland (BL) Wetland (eg bog, marsh, fen) (WL)

Coniferous plantation (CP) Open water (OW)

Moorland/heath (MH) Improved/semi-improved grass (IG)

Scrub (SC) Tilled land (TL)

Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (≥ 33% banklength) or I (present))

Natural/unmodified L R Artificial/modified L R

Vertical/undercut 7 2 F E Resectioned

Vertical + toe 2 Reinforced - whole bank 7 2

Steep (> 45°) 2 Reinforced - top only

Gentle 2 Reinforced - toe only

Composite Artificial two-stage

Use this space to draw profile of a section from above, after taking predetermined box

Poached

Embanked

Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per bank)

TREES (Tick one box per bank)

None Left Right

Isolated/scattered

Regularly spaced, single

Occasional clumps

Semi-continuous

Continuous

ASSOCIATED FEATURES (Tick one box per feature)

E ≥ 33%

Shading of channel

Overhanging boughs

Exposed bankside roots

Underwater tree roots

Fallen trees

Coarse woody debris

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None Present E

Waterfall(s) - free-fall

Cascade(s) - chute

Shoal/pool sequence

Rapid(s) - white-water

Riffle-pool sequence

Rune(s) - dished, rippled

Boil(s) - upwelling

Glide(s) - smooth, no eddies

Marginal deadwater - slack

Exposed bedrock

Exposed boulders

Unvegetated mid-channel bars

Vegetated mid-channel bars

Mature island(s)

Unvegetated side bars

Vegetated side bars

Have you completed your response form this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 7 RIGHT BANK

Banktop height (m) 0.45 Water width (m) 6.5 Banktop height (m) 0.45

Embanked height (m) Water depth (m)

If trashline lower than banktop break in slope, indicate: height (m) width(m)

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs =

Footbridges = Roadbridges =

Outfalls = Fords =

Other =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)

Artificial open water ☐ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10 for each species)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Natural meandering channel very low gradient

Plants of note:

Major conservation features:

Major impact: Heavy sheep grazing on right bank

Incidental observations (animals etc):

IFE channel sample taken 15.1.95

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - labels supplied separately

DATES. Received	transcribed	rechecked	date when checked
1942. 11. 10			
1942. 11. 11			
1942. 11. 12			
1942. 11. 13			
1942. 11. 14			
1942. 11. 15			
1942. 11. 16			
1942. 11. 17			
1942. 11. 18			
1942. 11. 19			
1942. 11. 20			
1942. 11. 21			
1942. 11. 22			
1942. 11. 23			
1942. 11. 24			
1942. 11. 25			
1942. 11. 26			
1942. 11. 27			
1942. 11. 28			
1942. 11. 29			
1942. 11. 30			
1942. 12. 1			
1942. 12. 2			
1942. 12. 3			
1942. 12. 4			
1942. 12. 5			
1942. 12. 6			
1942. 12. 7			
1942. 12. 8			
1942. 12. 9			
1942. 12. 10			
1942. 12. 11			
1942. 12. 12			
1942. 12. 13			
1942. 12. 14			
1942. 12. 15			
1942. 12. 16			
1942. 12. 17			
1942. 12. 18			
1942. 12. 19			
1942. 12. 20			
1942. 12. 21			
1942. 12. 22			
1942. 12. 23			
1942. 12. 24			
1942. 12. 25			
1942. 12. 26			
1942. 12. 27			
1942. 12. 28			
1942. 12. 29			
1942. 12. 30			
1943. 1. 1			
1943. 1. 2			
1943. 1. 3			
1943. 1. 4			
1943. 1. 5			
1943. 1. 6			
1943. 1. 7			
1943. 1. 8			
1943. 1. 9			
1943. 1. 10			
1943. 1. 11			
1943. 1. 12			
1943. 1. 13			
1943. 1. 14			
1943. 1. 15			
1943. 1. 16			
1943. 1. 17			
1943. 1. 18			
1943. 1. 19			
1943. 1. 20			
1943. 1. 21			
1943. 1. 22			
1943. 1. 23			
1943. 1. 24			
1943. 1. 25			
1943. 1. 26			
1943. 1. 27			
1943. 1. 28			
1943. 1. 29			
1943. 1. 30			
1943. 2. 1			
1943. 2. 2			
1943. 2. 3			
1943. 2. 4			
1943. 2. 5			
1943. 2. 6			
1943. 2. 7			
1943. 2. 8			
1943. 2. 9			
1943. 2. 10			
1943. 2. 11			
1943. 2. 12			
1943. 2. 13			
1943. 2. 14			
1943. 2. 15			
1943. 2. 16			
1943. 2. 17			
1943. 2. 18			
1943. 2. 19			
1943. 2. 20			
1943. 2. 21			
1943. 2. 22			

PLANTS - Use 1st 4 letters of Genus → Pota = Potamogeton
+ species if possible → Pota sect = Potamogeton sectinatus

Have you completed your ⁴⁰⁰⁷ expenses form this week? (send to FWD for signature!)

—

NRA RIVER HABITAT SURVEY 1995 IFB P-1A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 4008

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TM196282 River: Ramsey Brook/Stour

Date: 16/11/1995 Time: 09:30 Surveyor name: G.C. M.H. H.D. P.D.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) with site map!

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/sketch diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 1 Unvegetated point bars

Pools 1 Vegetated point bars

IFE - 1/11 - 1/11 - 1/11

National Rivers Authority

DATES: 16/11/1995 16/11/1995 16/11/1995 16/11/1995

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK Banktop width (m) 2 RIGHT BANK

Banktop height (m) 0.6 Water width (m) 0.3 Banktop height (m) 0.6

Embanked height (m) 0.1 Water depth (m) 0.1 Embanked height (m)

If threshold lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = Roadbridges = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State: wood-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state):

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/11 indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use principles and key words as appropriate)

Descriptive sentence: Over deepened straight channel. All are point source bank erosion from land runoff during winter period.

Place of note:

Major conservation features:

Major impacts: Agricultural land drainage

Incidental observations (animals etc):

IFE - 1/11 - 1/11 - 1/11

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing. Labels supplied on site

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

Broadleaf/mixed woodland (BL) Wetland (eg bog, marsh, fen) (WL)

Coniferous plantation (CP) Open water (OW)

Moorland/heath (MH) Improved/semi-improved grass (IG)

Scrub (SC) Tilled land (TL)

Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (≥ 33% banklength) or F if present)

Natural/unmodified L R Artificial/modified L R

Vertical/undercut ☒ Rescoured ☒

Vertical + toe ☒ Reinforced - whole bank ☒

Steep (> 45°) ☒ Reinforced - top only ☒

Gentle ☒ Reinforced - toe only ☒

Composite ☒ Artificial two-stage ☒

Use this space to draw profile if different from above, after ticking predominant box

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank) ASSOCIATED FEATURES (Tick one box per feature)

None Left Right E ≥ 33% None Present E

Isolated/scattered ☐ Shading of channel ☐

Regularly spaced, single ☐ Overhanging boughs ☐

Occasional clumps ☐ Exposed backside roots ☐

Semi-continuous ☐ Underwater tree roots ☐

Continuous ☐ Fallen trees ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☒ Marginal dead-water - slack ☒

Cascade(s) - chute ☒ Exposed bedrock ☒

Step/pool sequence ☒ Exposed boulders ☒

Rapid(s) - white-water ☒ Unvegetated mid-channel bars ☒

Riffle-pool sequence ☒ Vegetated mid-channel bars ☒

Run(s) - disturbed, rippled ☒ Mature island(s) ☒

Boil(s) - upwellings ☒ Unvegetated side bars ☒

Glide(s) - smooth, no eddies ☒ Vegetated side bars ☒

Have you completed your responses from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: IFE P-A-A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Platform category

Distance from source(km) Significant tributary? ☒ NO Navigation? ☒ NO

B. FIELD SURVEY DETAILS

Reference network site number: **H009**

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: **SM 873105** River: **UN NAMED**

Date **17.5.1995** Time: **10:48** Surveyor name: **TC, TW, PW, 14 AK, 700**

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) with site map? ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + note/other description

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles: **15** Unvegetated point bars ☐

Pools: **1** Vegetated point bars ☐

IFE = 10.5 - 500 x 10.5 = 1050

National Rivers Authority

DATES: record
17.5.95

found

initials

details

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles ☒ Pools ☒ Unvegetated point bars ☐ Vegetated point bars ☐

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (if marked point bar, feature (f))

Spot check 1 is at: upstream end ☐ of site ☒ (tick one)

	1	2	3	4	5	6	7	8	9	10	11	12
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature(s)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel width (m)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Flow type (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel modification(s)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel feature(s)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature(s)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from PL, CP, NH, SC, SP, SL, SW, ST, SU

LAND USE WITHIN 5m OF BANKTOP (L)

	1	2	3	4	5	6	7	8	9	10	11	12
LEFT BANK TOP (structure within 1m)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
LEFT BANK FACE (structure)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
RIGHT BANK TOP (structure within 1m)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
RIGHT BANK FACE (structure)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
LAND USE WITHIN 5m OF BANK TOP (R)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (2-3% area) or P (present))

	1	2	3	4	5	6	7	8	9	10	11	12
NONE (tick)												
LIVESTRONG												
Emergent broad-leaved herbs												
Emergent reeds/sedges/rushes												
Free-floating												
Amphibious												
Submerged - broad-leaved												
Submerged fine-leaved												
Filamentous algae												

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or P)

PLANTS - Use the list of plants in the notes section of the survey form.

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

1. LAND USE WITHIN 50m OF BANKTOP (Use E (2-3% banklength) or P (present))

	L	R	L	R
Broadleaf/woodland (BL)	E	F		
Coniferous plantation (CP)				
Moorland/heath (MH)				
Scrub (SC)				
Rough pasture (RP)				
Suburban/urban development (SU)				

2. BANK PROFILES (Use E (2-3% banklength) or P (present))

	L	R	L	R
Natural/unmodified				
Vertical/undercut				
Vertical + toe				
Steep (>45°)				
Gentle				
Composite				
Use this space to draw profile if different from above, after taking preliminary box				

3. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	None	Present
None			Shading of channel				
Isolated/scattered			Overhanging boughs				
Regularly spaced, single			Exposed bankside roots				
Occasional clumps			Underwater tree roots				
Semi-continuous			Fallen trees				
Continuous			Coarse woody debris				

4. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - freefall			Marginal deadwater - stock		
Cascade(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Run(s) - disturbed, rippled			Mature island(s)		
Beil(s) - spillways			Unvegetated side bars		
Slide(s) - smooth, no eddies			Vegetated side bars		

Have you completed your sweep for this week? (send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

1. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	2.75	Banktop height (m)
Banktop width (m)	0.70	Banktop width (m)
Banktop height (m)	0.10	Banktop height (m)
Banktop width (m)	1.10	Banktop width (m)

If bankline lower than banktop break in slope, indicate: height (m) **1.10** width (m) **1.10**

Bed material at site: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement in: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

2. ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = ☐ Weirs = ☐ Outfalls = ☐ Fords = ☐

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Full site ☐

3. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other 7 State ☐

weed-cutting ☐ enhancement ☐

4. FEATURES OF SPECIAL INTEREST (Tick appropriate box)

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) ☐

Braided/side channels ☐ Natural open water ☐ Care ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Fluff ☐

5. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

6. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 then indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other 7 State ☐

7. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: **Downstream of large dam, with**

Plants of note: **Downstream of large dam, with**

Major conservation features:

Major impacts:

Incidental observations (animals etc):

IFE channel condition ☒ Filled ☐

8. DISPERSED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other (state) ☐

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing - labels supplied

Page 1 of 4

NRA RIVER HABITAT SURVEY 1995 IFE P-1-A

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Platform category

Distance from source(km) Significant tributary ? NO Navigation ? NO.

B FIELD SURVEY DETAILS

Reference network site number: 4021

Mid-section grid reference of network site if different from designated location:

COMPLETE THIS FOLLOWING FOR ALL SITES

Grid Reference: 50016104 River: TAFF

Date 9.1.95 Time: 10:00 Surveyor name TG, TW, PD SG AK TM

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) Special photographs required if features are present - return visit required if features are present

Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

C: PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl + notes/extra diagram

D: NUMBER OF RIFFLES, POOLS AND POEYR BARS (Use 1-11 then indicate total number)

Riffles 4 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

IFE-P-1-A-Surveyor's Name

National Rivers Authority

DATE, heard	prepared	revised	revised checked
2-15-76			

Page 2 of 4

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS

Riffles ☐ Pools ☐ Unvegetated point bars ☐ Vegetated point bars ☐

Spot check 1 is at: upstream side ☐ of site ☐ of site ☐

Physical Attributes (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream side ☐ of site ☐ of site ☐

Left Bank: looking downstream

	1	2	3	4	5	6	7	8	9	10
Bank material (fine)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank modification(s)										
Bank feature(s)										
Channel feature(s)										
Channel substrate (fine)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Flow type (fine)	SM	RP	SM	RP	SM	RP	SM	RP	SM	RP
Channel modification(s)										
Channel feature(s)										
Channel substrate (fine)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Flow type (fine)	SM	RP	SM	RP	SM	RP	SM	RP	SM	RP
Channel modification(s)										
Channel feature(s)										
Channel substrate (fine)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Flow type (fine)	SM	RP	SM	RP	SM	RP	SM	RP	SM	RP
Channel modification(s)										
Channel feature(s)										
Channel substrate (fine)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Flow type (fine)	SM	RP	SM	RP	SM	RP	SM	RP	SM	RP
Channel modification(s)										
Channel feature(s)										
Channel substrate (fine)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Flow type (fine)	SM	RP	SM	RP	SM	RP	SM	RP	SM	RP
Channel modification(s)										
Channel feature(s)										
Channel substrate (fine)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Flow type (fine)	SM	RP	SM	RP	SM	RP	SM	RP	SM	RP
Channel modification(s)										
Channel feature(s)										
Channel substrate (fine)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Flow type (fine)	SM	RP	SM	RP	SM	RP	SM	RP	SM	RP
Channel modification(s)										
Channel feature(s)										
Channel substrate (fine)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Flow type (fine)	SM	RP	SM	RP	SM	RP	SM	RP	SM	RP
Channel modification(s)										
Channel feature(s)										
Channel substrate (fine)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Flow type (fine)	SM	RP	SM	RP	SM	RP	SM	RP	SM	RP
Channel modification(s)										
Channel feature(s)										
Channel substrate (fine)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Flow type (fine)	SM	RP	SM	RP	SM	RP	SM	RP	SM	RP
Channel modification(s)										
Channel feature(s)										
Channel substrate (fine)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Flow type (fine)	SM	RP	SM	RP	SM	RP	SM	RP	SM	RP
Channel modification(s)										
Channel feature(s)										
Channel substrate (fine)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Flow type (fine)	SM	RP	SM	RP						

NRA RIVER HABITAT SURVEY 1995: DIRECTIONS AND INFLUENCES Page 4 of 4

1. CHANNEL DIMENSIONS To be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK		Backstop width (m)	16.50	RIGHT BANK	
Backstop height (m)	1.50	Water width (m)	9.50	Backstop height (m)	1.85
Banked height (m)		Water depth (m)	0.20	Banked height (m)	

If threshold lower than backstop in slope, indicate: height (m) 1.25 width(m) 13.50

Bed material at site is: consolidated (temporarily) ☒ unconsolidated (poor) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ pick one box Slope (IFE only)

2. ARTIFICIAL FEATURES (Use ☒ to indicate solid structure, tick "none" where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____
 Footbridges = _____ Retainages = _____ Other = _____
 Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Upstream/back of site ☐

3. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? ☐
 weed-cutting ☐ enhancement ☐

4. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (specify) _____
 Braked/silt channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flood ☐

5. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

6. NOTABLE SUSSANCE PLANT SPECIES (Tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? ☐

7. BRIEF DESCRIPTION (Use prompts and key words as appropriate) *The Salween*

Descriptive sentence: *Coarsely boulder slow steep stream.*
Plants of note: Round-leaved Vegetables side bog? that will be part of bank
with low bank composed of sand and gravel cliffs to side,
Major constraints: With flows cover this away from line the edge of the
Major impacts: (structure). Drunken of heavy waves and large reservoir
Incidental observations (animals etc): Emerald eldritch mentioned as broken by high wind cliffs
Tad poles in the river. Diptera
IFE channel empty to the D. 10000

8. DISTURBED ALGERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other (specify) _____ State _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BS

Have you completed your expenses for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? ☒ No Navigation? ☒ 1/4

B FIELD SURVEY DETAILS

Reference network site number: 4025
 Mid-section grid reference of network site if different from designated location:
 Grid Reference: 50454125 River: TROTHY
 Date: 19/10/1995 Time: 18:10 Surveyor name: J. H. (M) 16-AK 7840
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, note:
 Red of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Photographs: general features? No ☐ Yes ☒ (tick one box) *with site no. on back!*
 Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes: *suburban/urban development*

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles: 2 Unvegetated point bars: 0
 Pools: 1 Vegetated point bars: 0
 (If E=10-12 see note 10/11)

National Rivers Authority

DATES: heard planned visited *delivered*

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (tick one box for each channel within a 10m wide section)

Spot check 1 is at: upstream end of section ☒ downstream end ☐ (tick one box)

LEFT BANK *terrace, low slope*

Bank material (fine) ☒ EA ☐ EA ☐ EA ☐ EA ☐ EA ☐ EA ☐ EA ☐ EA ☐ EA
 Bank material (coarse) ☒ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO
 Bank feature(s) ☒ EA ☐ EA ☐ EA ☐ EA ☐ EA ☐ EA ☐ EA ☐ EA ☐ EA
 CHANNEL NOTE: *Use surface for*

Channel substrate (fine) ☒ CL ☐ SI ☐ CL ☐ CL ☐ CL ☐ CL ☐ SI ☐ SI
 Flow type (fine) ☒ UU ☐ SM ☐ SM ☐ SM ☐ SM ☐ SM ☐ SM ☐ SM ☐ SM ☐ SM
 Channel modification(s) ☒ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO
 Channel feature(s) ☒ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO

RIGHT BANK *terrace, low slope*

Bank material (fine) ☒ EA ☐ EA ☐ EA ☐ EA ☐ EA ☐ EA ☐ EA ☐ EA ☐ EA
 Bank material (coarse) ☒ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO
 Bank feature(s) ☒ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO ☐ NO

F BANK TOP LAND USE AND VEGETATION STRUCTURE (tick one box for each bank top within a 10m wide section)

Land use: choose one from 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978

NRA RIVER HABITAT SURVEY 1995 IFE-10-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 4026
Mid-section grid reference of network site (if different from designated location):
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: 50 594175 River: WYE
Date 22/5/1995 Time: 11:10 Surveyor name: G. M. V. H. (tick one box)
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bod of river visible? No ☐ partially ☒ entirely ☐ (tick one box)
Photographs: general character? No ☒ Yes ☐ (tick one box) Site No. on map:
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☒ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes on the diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [H] then indicate total number)

Riffles 2 Unvegetated point bars
Pools 1 Vegetated point bars
IFE-10-A-500m Sweep-Up

National Rivers Authority

J. KES. record ground visited before checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone) (tick one box)

Spot check 1 is at upstream end of site (tick one box)
LEFT BANK looking downstream
RIGHT BANK looking upstream

Bank material (one) ☒ PE, BO, CO, GE, LA, FE, CL
Bank modification(s) ☒ NO, RI, NO, NC, NO, NO, NO, NO, NO, NO
Bank feature(s) ☒ AK, NO, FC, SC, FR, VP, SP, VS
CHANNEL NOTE: Use the following to describe the channel (tick one box)
Channel substrate (one) ☒ NO, RI, NO, NC, NO, NO, NO, NO, NO, NO
Flow type (one) ☒ UP, UP, SM, UP, UP, UP, UP, UP, UP, UP
Channel modification(s) ☒ AK, NO, RI, NO, NO, NO, NO, NO, NO, NO
Channel feature(s) ☒ NO, RI, NO, NC, NO, NO, NO, NO, NO, NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, SP, VL, OW, IG, TL, and BL (if none, up bank slope)
LAND USE WITHIN 5m OF BANKTOP (L) SU, SU, SU, IG, IG, IG, IG, IG, IG, IG
LEFT BANK-TOP (structure within 1m) BU, SC
LEFT BANK FACE (structure) BU, SC
RIGHT BANK FACE (structure) BU, SC
RIGHT BANK-TOP (structure within 1m) BU, SC
LAND USE WITHIN 5m OF BANK TOP (R) TL, TL, TL, IG, IG, IG, IG, IG, IG, IG

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or F (present))

NONE (tick one box)
Livingston mosses/lichens ☒
Emergent broad-leaved herbs ☒
Emergent reeds ☒
Floating-leaved (potamogeton) ☒
Free-floating ☒
Amphibious ☒
Submerged broad-leaved ☒
Submerged fine-leaved ☒
Filament, algae ☒

Use end "chall" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)
PLANTING - Use the following to describe the planting (tick one box)
+ species of possible of Pota post a Potamogeton perennans

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F (present))

☐ Broadleaf/woodland (BL) ☐ Wetland (eg bog, marsh, fen) (WL)
☐ Coniferous plantation (CP) ☐ Open water (OW)
☐ Moorland/heath (MH) ☐ Improved/bare/improved grass (IG)
☐ Scrub (SC) ☐ Tilled land (TL)
☐ Rough pasture (RP) ☐ Suburban/urban development (SU) ☒ E ☒ F

I BANK PROFILES (Use E (≥ 33% banklength) or F (present))

Natural/unmodified ☒ L ☒ R Artificial/unmodified ☐ L ☐ R
Vertical/unmodified ☒ L ☒ R Resectioned ☐ L ☐ R
Vertical + toe ☒ L ☒ R Reinforced - whole bank ☐ L ☐ R
Steep (> 45°) ☒ L ☒ R Reinforced - top only ☐ L ☐ R
Gentle ☒ L ☒ R Reinforced - toe only ☐ L ☐ R
Composite ☒ L ☒ R Artificial two-stage ☐ L ☐ R
Use this space to draw profile if different from above, after ticking predominant box
Reinforced ☒ Embankment ☒ Set-back embankment ☒

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)
None ☐ Left ☐ Right ☒ M/V/E
Isolated/scattered ☐ ☐ ☐
Regularly spaced, single ☐ ☐ ☐
Occasional clumps ☐ ☐ ☐
Semi-continuous ☒ ☒ ☒
Continuous ☐ ☐ ☐

ASSOCIATED FEATURES (Tick one box per feature)
None ☐ Present ☒ M/V/E
Shading of channel ☐ ☒ ☐
Overhanging boughs ☐ ☒ ☐
Exposed bankside roots ☐ ☒ ☐
Underwater tree roots ☐ ☒ ☐
Fallen trees ☐ ☒ ☐
Coarse woody debris ☐ ☒ ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ None ☒ Present ☐ M/V/E
Cascades(s) - chute ☒ ☐ ☐
Step-pool sequence ☒ ☐ ☐
Rapid(s) - whitewater ☒ ☐ ☐
Riffle-pool sequence ☒ ☐ ☐
Run(s) - disturbed, rippled ☒ ☐ ☐
Boil(s) - swillings ☐ ☒ ☐
Glide(s) - smooth, no eddies ☒ ☐ ☐

Marginal dead-water - slack ☐ None ☒ Present ☐
Exposed bedrock ☐ ☒ ☐
Exposed boulders ☐ ☒ ☐
Unvegetated mid-channel bars ☐ ☒ ☐
Vegetated mid-channel bars ☐ ☒ ☐
Mature island(s) ☐ ☒ ☐
Unvegetated side bars ☐ ☒ ☐
Vegetated side bars ☐ ☒ ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 50 RIGHT BANK
Banktop height (m) 6.0 Water width (m) (R) 40 Banktop height (m) 6.0
Enbanked height (m) 0.5 Water depth (m) 0.5 Enbanked height (m)
If trashline lower than banktop break in slope, indicate: height (m) width (m)
Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use [H] indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other = FISH WAYS PIER, etc.
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dropping ☐ moving ☐ Other: State some tree clearing on LHS
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL FLOODPLAIN (10m corridor)
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☒ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use ✓ or E)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☒ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Wye, swift flowing river - high banks, large bed.
Plants of note: (see 1.1) Mostly CO scrub, but CF (UP) flow.
Major conservation features: BL on bank sides: LHS R.P. on LHS
Major impacts: + good plant diversity.
Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB
Envelopes supplied! Post completed file for processing (labels supplied)

DATES. Recd
7-4-41-72

FLANTS - Use 1st 4 letters of Genus \rightarrow Pota, Pota, rogeton
+ species if possible \rightarrow Pota, pect, Pota, rogeton, pectinative

Have you completed your expenses for this week? (send to FND for signature!)

Envelopes supplied! Post completed files for processing - labels supplied as above








DATES. Record

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use nt & herbs of Grasses & Pota & Pota vegetation
+ species if possible of Pota part & Pota vegetation part native

9-43479-77

0-0000000000000000

A BACKGROUND MAP-BASED INFORMATION		
Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ?	Navigation ?
B FIELD SURVEY DETAILS		
Reference network site number: 4049		
Mid-section grid reference of network site (if different from designated location):		
COMPLETE THE FOLLOWING FOR ALL SITES		
Grid Reference: 4049 TL865192	River: Blackwater	78.7N PH 16 AK 76W
Date 31.5.1995 Time: 10.45	Surveyor name (code or add)	6- mLV No 16 F-2
Adverse conditions affecting survey?	No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	if yes, state <i>fast bank, walled</i>
Bed of river visible?	No <input type="checkbox"/> partially <input checked="" type="checkbox"/> entirely <input type="checkbox"/> (tick one box)	
Photograph: general character? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (tick one box)	<i>special features</i> <i>with 50m m!</i>	
Site surveyed from: left bank <input type="checkbox"/> right bank <input checked="" type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)		
C PREDOMINANT VALLEY FORM: (tick one box only)		
 <input type="checkbox"/> shallow vee	 <input type="checkbox"/> terraced valley floor	
 <input type="checkbox"/> deep vee	 <input checked="" type="checkbox"/> symmetrical floodplain	
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain	
 <input type="checkbox"/> concave/bowl	+ notes/mh <i>76W</i>	
D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 111 then indicate total number)		
a - Riffles	Unvegetated point bars	
Pools	Vegetated point bars	

Rifles () Pools Unvegetated point bars Vegetated point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone) (3) Mark (+) within feature (4) feature

Spot check 1 is at: upstream and downstream ☒ of site (tick one)

	1	2	3	4	5	6	7	8	9	10	NE
LEFT BANK looking downstream											
Bank material (fine)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
Bank modification ()	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features ()	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE ()	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL VEGETATION ()	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type (fine)	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
Channel modification ()	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features ()	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK looking downstream											
Bank material (fine)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
Bank modification ()	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features ()	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)											
Land use: choose one fine SL, CP, H, F, K, SP, PL, C, W, NO, FL, U											
LAND USE WITHIN 5m OF BANKTOP (L)	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
LEFT BANK-TOPO (structure within 1m) AUGIC	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) AUGIC	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) AUGIC	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOPO (structure within 1m) AUGIC	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one every 5m) (E (0-15% area) or F (percent))											
NONE ()											
Emergent broad-leaved herbs											
Emergent reeds, sedges, rushes											
Flowering broad-leaved											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine-leaved											
Filamentous algae											

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use the initials of species or the name of the species

Species: *Potamogeton perfoliatus*

SITE NO. _____ **NRA RIVER HABITAT SURVEY FORM 1992**

II. LAND USE WITHIN 50m of BANKTOP. Use E (≥ 33% banklength) or F if present.

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

1. BANK PROFILES. Use E (≥ 33% banklength) or F if present.

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile of difference from above, after taking preferred bank			Rebarbed		
			Sea-bank embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left		Right		WATER	E ≥ 33%	None		Present		N/A
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present	N/A
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse, woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

III. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	N/A
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s) - swirlings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	None	Present	N/A
Marginal deadwater - silt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	9	RIGHT BANK	
Banktop height (m)	Water width (m)	8	Banktop height (m)	0.75
Embankment height (m)	Water depth (m)	1.5	Embankment height (m)	

If threshold lower than banktop break in slope, indicate: height (m) width(m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (pick one box) Slope (IFE only)

2. ARTIFICIAL FEATURES (Use 1 to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Feeds =
 Footbridges = Roadbridges = Other = 1 roadbridge

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth/belt of site ☐

3. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other 7 State
 weed-cutting ☐ enhancement ☒ gravel for fish spawning beside pub

4. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (10m corridor)		
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bag <input type="checkbox"/>	Other (state)
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Cart <input type="checkbox"/>	extensive
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	nutrient bed
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flank <input type="checkbox"/>	beside pub

5. CROOKED CHANNEL (Tick one box)

Is 33 % or more of the channel choked with vegetation? NO ☐ YES ☒

6. NOTABLE NUISANCE PLANT SPECIES (Use 1 or 2) (tick appropriate box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other 7 State

7. BRIEF DESCRIPTION (Use prompt and box and at appropriate) (Tick one box)

Descriptive sentence: Wide slow flowing low bed river. Running alongside a road.

Plants of note:

Major conservation features: Naphar bed beside pub

Major impacts: adjacent urban land

Incidental observations (animals etc):

IFE 2 ticks only by 10/10/10 ☒ ☐

8. DISEASED TREES (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARHAM, BH20 6BB

Enhance wetland! Park completed site for planting. Labels supplied with site.

Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4050

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TL903105 River: Hingham Brook

Date 31.5.1995 Time: 09.00 Surveyor name SB, TW, PH, LA, K, TM
(tick if applicable) ☒ male ☐ female ☐ N/A ☐ FWD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Describe Photographs: general character? No ☒ Yes ☐ (tick one box) with site N/A!
 (Excluded - rather than in regard of features) Special features Board

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl + notes on diagram

D. NUMBER OF RIFFLES, POOLS AND POINTE BARS (Use 111 then indicate total number)

Riffles (Unvegetated point bars

Pools Vegetated point bars

1995-1996 - See 1995/1996/1997

National Rivers Authority

DATES. Record
P-4428-74

praised

valuable

[illegible][illegible]

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or ✓)

PLANTS - Use 1st 4 letters of genus → Pota, Polynogaton
+ species if possible → Pota fact → Polynogaton factinaria

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page _____

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a)

LEFT BANK			RIGHT BANK		
Banktop height (m)	15	Banktop width (m)	35	Banktop height (m)	
Embarked height (m)		Water width (m)		Embarked height (m)	
		Water depth (m)	0.02		

If trashes lower than banktop break in slope, indicate: height (m) _____ width(m) _____

Bed material at site is: consolidated (concrete) ☐ unconsolidated (stone) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ slick one box? Slope (IFE only) _____

M ARTIFICIAL FEATURES (Use 1-10 Indicate total number, tick "none" where appropriate)

None <input type="checkbox"/>	Number of	Culverts =	Weirs =	Outfalls =	Fords =
		Footbridges = # 2	Readbridges = # 2	Other = 3	

Is water level controlled by weirs/dam downstream? No ☒ Yes ☐ Part of site ☐ Mouth/hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging <input type="checkbox"/>	moving <input type="checkbox"/>	Other ? State _____
weed-cutting <input type="checkbox"/>	enhancement <input checked="" type="checkbox"/>	strengthened, enclosed in the p.

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL		FLOODPLAIN (50m corridor)	
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bar <input type="checkbox"/>	Other (state) _____
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Cog <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Ree <input type="checkbox"/>	Flush <input type="checkbox"/>	

P CHOICE CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-6, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State _____

R BRIEF DESCRIPTION (Use prompts and key words as appropriate) The Salween s...

Descriptive sentence: Ush between fields, passing through small factory

Plants of note:

Major conservation features:

Major impacts: Agricultural land down and small factory area

Incidental observations (animals etc.):

IFE 2 channel very little, 1st filled up, 1st ml sample taken

S DISPERSED ALIENS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other dispersed trees? State _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH21
Emphasis required! Post completed form for posting - labels supplied

Sketch 1 *4000*

SITE NO. **NRA RIVER HABITAT SURVEY 1995; 500m SWEEP-UP** **Page 3 of 4**

11 LAND USE WITHIN 50m OF BANKTOP Use E (R 33% banklength) or J if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CF)			Open water (OW)		
Moorland/heath (MH)			Improved/stem-improved grass (IG)	E	
Scrub (SC)			Tilled land (TL)	E	E
Rough pasture (RP)			Suburban/urban development (SU)	E	E

12 BANK PROFILES Use E (R 33% banklength) or J if present

	L	R		L	R
Natural/unmodified			Artificial/modified	E	E
Vertical/undercut			Reconciled		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)		E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predetermined tree			Peached		
			Embanked		
			Sp-bank embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	WATER	E ≥ 33%	None	Present E	WATER
None	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (Tick one box per feature)

Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E	WATER
Watersfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Isotone island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Have you completed your expenses for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995 IFE, N.A.A. Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 4051
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: TM093185 River: Cole
 Date 13.6.1995 Time: 11:30 Surveyor name: JB, JW, FH, IG, AK, (700)
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: 6c m2w no 126 f-5
 Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)
 Photographs: general character? No ☐ Yes ☒ (tick one box) with 50m in m!
 Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/maths to describe

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles Unvegetated point bars
 Pools Vegetated point bars
 IFE total = 500 (use 1/11)

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WZ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		E
Scrub (SC)			Tilled land (TL)		E
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	<u>7</u>	<u>2</u>	Re-sectioned	<u>7</u>	<u>7</u>
Vertical + toe	<u>7</u>	<u>7</u>	Reinforced - whole bank	<u>7</u>	<u>7</u>
Steep (>45°)	<u>7</u>	<u>7</u>	Reinforced - top only	<u>7</u>	<u>7</u>
Grass	<u>7</u>	<u>7</u>	Reinforced - toe only	<u>7</u>	<u>7</u>
Composite	<u>7</u>	<u>7</u>	Artificial two-stage	<u>7</u>	<u>7</u>
			Poached	<u>7</u>	<u>7</u>
			Embanked	<u>7</u>	<u>7</u>
			Set-back embankment	<u>7</u>	<u>7</u>

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	WATER	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	E	Notes
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E		None	Present	E	Notes
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slink	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - white-water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Puddle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Glides(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your enquiries from this web? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (Mark position of feature)

Spot check 1 is at: upstream end of site (tick one)
 LEFT BANK looking down stream
 RIGHT BANK looking down stream

	1	2	3	4	5	6	7	8	9	10	Notes
Bank material (fine)	BE, SO, CO, CL, LA, PE, G										
Bank modification(s)	NO, RI, RI, FC, AN, EM										
Bank feature(s)	NO, NO, EC, SC, PA, PP, SP, VS										
Channel substrate (fine)	NO, RI, SO, CO, CL, LA, PE, G										
Flow type (fine)	FF, CH, BW, UV, CF, RP, UP, SH, NP, NO										
Channel modification(s)	NO, NO, RI, RI, FC, AN, EM										
Channel feature(s)	NO, NO, EC, SC, PA, PP, SP, VS										
Bank material (fine)	BE, SO, CO, CL, LA, PE, G										
Bank modification(s)	NO, RI, RI, FC, AN, EM										
Bank feature(s)	NO, NO, EC, SC, PA, PP, SP, VS										

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, RP, WL, OW, TL, SU
 LAND USE WITHIN 5m OF BANKTOP (L)
 LEFT BANK-TOP (structure within 1m) BWSIC
 LEFT BANK FACE (structure) BWSIC
 RIGHT BANK-TOP (structure within 1m) BWSIC
 RIGHT BANK FACE (structure) BWSIC
 LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or if present)

	1	2	3	4	5	6	7	8	9	10	Notes
NONE (tick)											
Liverworts/mosses/lichens											
Emergent broad-leaved											
Emergent reeds/sedges/rushes											
Free-floating											
Amphibious											
Submerged - broad-leaved											
Submerged fine-leaved											
Filamentous algae											

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V) ↑

PLANTS - Use 1st 4 letters of genus + Latin name of species if possible of Latin part of Polynesian pastures

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	2.75	RIGHT BANK
Banktop height (m)	2.35		Banktop height (m)
Embanked height (m)	0.3		Embanked height (m)

If trashline lower than banktop break in slope, indicate: height (m) width(m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
 Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick 'none' where appropriate)

None ☒ Culverts = Weirs =
 Footbridges = Roadbridges =
 Outfalls = Fords =
 Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: State
 weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) State
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/11 indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: State








R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Shallow, restricted channel, resembling step-pool
 Plants of note: State
 Major conservation features: State
 Major impact: State
 Incidental observations (animals etc): State

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: State

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB
 Envelopes supplied! Post completed forms for processing details supplied 45 days

A BACKGROUND MAP-BASED INFORMATION		
Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ?	Navigation ?
B FIELD SURVEY DETAILS		
Reference network site number: 4052		
Mid-section grid reference of network site if different from designated location:		
COMPLETE THE FOLLOWING FOR ALL SITES		
Grid Reference: TM107196	River: Celine	79 74 74 16 AK 7600
Date 13.1.1995 Time: 10.15	Surveyor name (write in ink)	66 m66 40 16 600
Adverse conditions affecting survey?	No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state	
Bed of river visible?	No <input checked="" type="checkbox"/> partially <input type="checkbox"/> entirely <input checked="" type="checkbox"/> (tick one box)	
Photographs: general character? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (tick one box)	Special features: essential - rather visit myself if failure? with site 13 on 1600	
Site surveyed from: left bank <input type="checkbox"/> right bank <input type="checkbox"/> channel <input checked="" type="checkbox"/> (tick as appropriate)		
C PREDOMINANT VALLEY FORM (tick one box only)		
 <input checked="" type="checkbox"/> shallow vee	 <input type="checkbox"/> terraced valley floor	
 <input type="checkbox"/> deep vee	 <input type="checkbox"/> symmetrical floodplain	
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain	
 <input type="checkbox"/> concave/bowl	+ notes/extra diagram	
D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 111 then indicate total number)		
Riffles 10	Unvegetated point bars	
Pools 1	Vegetated point bars	

DATE. Recd	passed	revised	detained
1954-73, 74			checked

Rifles (# of)	Tools	Unvegetated point bars	Vegetated point bars	Channel width (m)									
E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (4) Mark position of feature (5)													
Spot check 1 is at: upstream end of site (if site <input type="checkbox"/> or downstream (if site <input checked="" type="checkbox"/> one)	1	2	3	4	5	6	7	8	9	10	11	12	13
LEFT BANK looking downstream													
Bank material (one)	NE, SO, CO, G3, EA, PE, CL	RR	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Bank modification(s) <input checked="" type="checkbox"/> NO, J3, R, FC, BN, EN	R	N	N	N	N	N	N	N	N	N	N	N	N
Bank feature(s) <input checked="" type="checkbox"/> NE, NO, EC, SC, PB, VP, SB, VS	N	N	N	N	EC	FC	N	N	N	N	N	N	N
CHANNEL NOTE - Use scale in <input checked="" type="checkbox"/> or <input type="checkbox"/> of relevant													
Channel substrate (one) NY, AR, SO, CO, GP, SA, M, CL, AR	GP	SA	SA	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type (one) FF, CL, W, UP, CF, SP, UP, SN, SN, NO	SN	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s) <input checked="" type="checkbox"/> NE, NO, J3, R, EA, JG	N	N	N	N	N	N	N	N	N	N	N	N	N
Channel feature(s) <input checked="" type="checkbox"/> NO, JO, M, R, JH, TR	N	N	N	N	N	N	N	N	N	N	N	N	N
RIGHT BANK looking downstream													
Bank material (one) NE, SO, CO, G3, EA, PE, CL	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input checked="" type="checkbox"/> NO, J3, R, FC, BN, EN	N	N	N	N	N	N	N	N	N	N	N	N	N
Bank feature(s) <input checked="" type="checkbox"/> NE, NO, EC, SC, PB, VP, SB, VS	N	N	N	N	EC	N	N	N	N	N	N	N	N
F BANK TOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)													
Land use: choose one from BL, CP, MH, SC, RP, HL, OW, HG, TL, JV													
LAND USE WITHIN 5m OF BANK TOP (L)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK TOP (structure within 1m) BAUSIC	U	U	U	U	S	V	U	HS	U	S			
LEFT BANK FACE (structure) BAUSIC	U	U	U	U	U	U	U	U	U	U			
RIGHT BANK FACE (structure) BAUSIC	U	U	U	U	U	U	U	U	U	U			
RIGHT BANK TOP (structure within 1m) BAUSIC	U	U	S	S	U	U	U	U	U	U			
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SC	SC	SC	SC	SC	FL	BL	T				
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (> 33% area) or V (present))													
NONE (pick)	Plant species (native)												
Livewoods	Scaevola												
Conifers/shrubs	Scaevola												
Emergent broad leaved herbs	Scaevola												
Emergent reeds/ sedges/ grasses	Scaevola												
Flowering-leaved (rooted)	Scaevola												
Fice-floating	Scaevola												
Amphibious	Scaevola												
Submerged - broad-leaved	Scaevola												
Submerged fine linear-leaved	Scaevola												
Filament, algae	Scaevola												

Use end 'catch-all' column for types not occurring. In spot checks as well as overall assessment over 500m (use E or V)

PLANTS - Use 1st 4 letters of Genus → Pota = Potamogeton
+ species if possible eg Pota sect = Potamogeton pectinatus

H LAND USE WITHIN 50M OF BANKTOP Use E (≥ 33% banklength) or / if present			L		R		L		R	
Broadleaf/mixed woodland (BL)										
Coniferous plantation (CP)								✓	✓	
Moorland/heath (MH)								✓		
Scrub (SC)	E	E								E
Rough pasture (RP)										
1 BANK PROFILES Use E (≥ 33% banklength) or / if present										
Natural/unmodified		L	R	Artificial/modified				L	R	
Vertical/undercut			✓	Resecloined						
Vertical + toe				Reinforced - whole bank				✓	✓	
Steep (> 45°)		E	E	Reinforced - top only						
Gentle			✓	Reinforced - toe only						
Composite				Artificial two-stage						
Use this space to draw profile if different from above, after taking predetermined box				Pierced						
				Embanked						
				Set-back embankments						
J EXTENT OF TREES AND ASSOCIATED FEATURES										
TREES (Tick one box per bank)				ASSOCIATED FEATURES (Tick one box per feature)						
	Left	Right	WATER	E ≥ 33%	None	Present	E	N/A	YES	NO
None	<input type="checkbox"/>	<input type="checkbox"/>		Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bank-side roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Fallen trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		Course woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
K EXTENT OF CHANNEL FEATURES (Tick one box per feature)										
	None	Present	E	* Culvert	None	Present	E	N/A	YES	NO
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Cascade(s) - chute	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Swamp/pool sequences	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Riffle/pool sequences	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

Have you completed your excuses for this week? (send to FHD for signature!)

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)					
LEFT BANK		Banktop width (m)		175	RIGHT BANK
Banktop height (m)		Water width (m)		125	Banktop height (m)
Embanked height (m)		Water depth (m)		0.05	Embanked height (m)
If trashline lower than banktop break in slope, indicate: height (m) _____ width (m) _____					
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>					
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only) _____					
M ARTIFICIAL FEATURES (Use 1-10 to indicate total number, tick "none" where appropriate)					
None <input type="checkbox"/> Number of Culverts = 2		Weirs =		Outfalls = 4	
Footbridges = 1		Roadbridges = 1		Other =	
Is water level controlled by weir/dam downstream? No <input checked="" type="checkbox"/> Part of site <input type="checkbox"/> Most/w/ hole of site <input type="checkbox"/>					
N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)					
dragging <input type="checkbox"/>		mowing <input type="checkbox"/>		Other? State _____	
weed-cutting <input type="checkbox"/>		enhancement <input type="checkbox"/>			
O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))					
CHANNEL		FLOODPLAIN (50m corridor)			
Waterfalls > 5m high <input type="checkbox"/>		Artificial open water <input checked="" type="checkbox"/>		Bog <input type="checkbox"/> Other (state) _____	
Braided/side channels <input type="checkbox"/>		Natural open water <input type="checkbox"/>		Carr <input type="checkbox"/>	
Debris dams <input type="checkbox"/>		Water meadow <input type="checkbox"/>		Marsh <input type="checkbox"/>	
Loaty debris <input type="checkbox"/>		Fen <input type="checkbox"/>		Flush <input type="checkbox"/>	
P CHOKED CHANNEL (tick one box)					
Is 33% or more of the channel choked with vegetation? No <input type="checkbox"/> YES <input type="checkbox"/>					
Q NOTABLE NUISANCE PLANT SPECIES (Use 1 or 2) <i>Little, Shrub, Bramble</i>					
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other? State _____					
R BRIEF DESCRIPTION (Use prompts and key words at appropriate) <i>"The Sentences"</i>					
Descriptive sentence: <i>Upstream stretch fast flowing, attractive stream rather steep banks, downstream possibly regulated by railway weir.</i>					
Plants of note: _____					
Major conservation features: <i>Adopted wetland</i>					
Major impacts: <i>Arable runoff</i>					
Incidental observations (animals etc): _____					
IFE 2 channels by the <input checked="" type="checkbox"/> filtered <input type="checkbox"/>					
S DISEASED ALGAE (tick one box)					
None <input type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other disease trout? State _____					
SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB					

Enlarges implied! Post completed form for pointing labels implied steps

Envelopes supplied! Post completed films for processing. Labels supplied as steps.

NRA RIVER HABITAT SURVEY 1995: IFE, P-A-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source (km) Significant tributary? ☒ NO Navigation? ☒ NO

B FIELD SURVEY DETAILS

Reference network site number: H05H
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: SM903076 River: UN NAMED
Date: 17.1.1995 Time: 11.07 Surveyor name: JR, JN, PM, LK, AK, TGM
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Dipnet photographs: general character? No ☐ Yes ☒ (tick one box) Board
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/extra diagrams

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 8 Unvegetated point bars
Pools 2 Vegetated point bars
IFE - 10.1 - 500m SWEEP 3/10/12

National Rivers Authority

DATES: Record
P-A-A-A-A

prepared

initiated

checked

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 11 Pools 11 Unvegetated point bars 11 Vegetated point bars 11

E PHYSICAL ATTRIBUTES (Do be assessed across channel within a 1m wide core) (3 Max. 1 per 10m, 1 per 10m)

Spot check 1 is at upstream end of site ☒ of site ☒ downstream ☒ (tick one)

LEFT BANK - section downstream

Bank material (fine)	EA EA CL EA FA CL EA FA EA EA
Bank modification(s)	NO NO NO NO NO NO NO NO NO
Bank feature(s)	NO NO NO NO NO NO NO NO NO
Channel note - Use suitable for	
Channel substrate (fine)	CO ST CL CL GP CL GP GP GP CL
Flow type (fine)	RP RP RP RP RP RP RP RP RP
Channel modification(s)	NO NO NO NO NO NO NO NO NO
Channel feature(s)	NO NO NO NO NO NO NO NO NO

RIGHT BANK - section downstream

Bank material (fine)	EA EA CL EA FA CL EA FA EA EA
Bank modification(s)	NO NO NO NO NO NO NO NO NO
Bank feature(s)	NO NO NO NO NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (Do be assessed over a 10m wide transect)

Land use: choose one from BL, CP, HM, SC, RP, RL, GW, IG, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m)	EA EA CL EA FA CL EA FA EA EA
LEFT BANK FACE (structure)	EA EA CL EA FA CL EA FA EA EA
RIGHT BANK FACE (structure)	EA EA CL EA FA CL EA FA EA EA
RIGHT BANK-TOP (structure within 1m)	EA EA CL EA FA CL EA FA EA EA
LAND USE WITHIN 5m OF BANK TOP (R)	EA EA CL EA FA CL EA FA EA EA

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (2-3% veg) or J (green))

NONE (tick)	Plant green (tick one)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Liverwort									
Emergent broad-leaved herbs									
Epiphytic reeds/ sedges/ rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged - broad-leaved									
Submerged fine-leaved									
Filamentous algae									

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)

NOTES - Use 1-11 ticks of Greens, 2-3% vegetation, + species if possible, eg. Potamogeton nodosus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (2-3% vegetation) or J if present)

Broadleaf/deciduous woodland (BL)	<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)	<input checked="" type="checkbox"/>
Coniferous plantation (CP)	<input checked="" type="checkbox"/>	Open water (OW)	<input checked="" type="checkbox"/>
Meadow/heath (MH)	<input checked="" type="checkbox"/>	Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>
Scrub (SC)	<input checked="" type="checkbox"/>	Tilled land (TL)	<input checked="" type="checkbox"/>
Rough pasture (RP)	<input checked="" type="checkbox"/>	Suburban/urban development (SU)	<input checked="" type="checkbox"/>

I BANK PROFILES (Use E (2-3% banklength) or J if present)

Natural/unmodified	<input checked="" type="checkbox"/>	Artificial/unmodified	<input checked="" type="checkbox"/>
Vertical/undercut	<input checked="" type="checkbox"/>	Reinforced	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>
Steep (>45°)	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>
Gentle	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>
Composite	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>
Use this space to draw profile if different from above, other using pre-drawn box		Peached	<input checked="" type="checkbox"/>
		Embanked	<input checked="" type="checkbox"/>
		Set-back embankments	<input checked="" type="checkbox"/>

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

Trees (Tick one box per bank)	Left	Right	Notes
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Stem continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall	<input checked="" type="checkbox"/>	Marginal deadwater - silt	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>
Step-pool sequence	<input checked="" type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>
Rap(s) - whitewater	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>
Road(s) - disturbed, rippled	<input checked="" type="checkbox"/>	Minor island(s)	<input checked="" type="checkbox"/>
Bank(s) - upwelling	<input checked="" type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>

Have you completed your enquiries from this week? (send to F&D for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	<u>2.50</u>	RIGHT BANK		
Banktop height (m)	<u>0.75</u>	Water width (m)	<u>2.50</u>	Banktop height (m)	<u>0.75</u>
Embankment height (m)		Water depth (m)	<u>0.12</u>	Embankment height (m)	
If bankline lower than banktop break in slope, indicate height (m) width (m)					
Bed material at site: consolidated (compact) <input checked="" type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input type="checkbox"/>					
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only) <u>3%</u>					
CHANNEL	FLOODPLAIN (50m corridor)				
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>				
Braided/wide channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>				
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>				
Loose debris <input type="checkbox"/>	Fen <input type="checkbox"/>				
	Bog <input type="checkbox"/>				
	Carr <input type="checkbox"/>				
	Marsh <input type="checkbox"/>				
	Flush <input type="checkbox"/>				

NRA RIVER HANDBOOK SURVEY 1995 IFC P.I.A.A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ? |	Navigation ? 0

B FIELD SURVEY DETAILS

Reference network site number: 4064

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 501800 + 4 River: E B W

Date: 8/6/1995 Time: 11:10

Surveyor name: T.B. TW PH G.G. M.H. H.D. J.C. F.W.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) Special features? No ☐ Yes ☒ (tick one box) Notes: See above!

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

	<input checked="" type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input checked="" type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl		+ notes / note stream Flood plain

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 1	Unvegetated point bars 0
Pools 0	Vegetated point bars 0

E mid - see page 100000

National Rivers Authority

Page 2 of 4

Riffles No (#)	Pools	I.	Unvegetated point bars	Vegetated point bars
E - PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (if check 1 is at; upstream end of ditch) (if check 1 is at; downstream end of ditch)				
LEFT BANK - <i>left bank</i> <i>downstream</i>				
Bank material (fine)	EA EA EA EA EA EA EA BA BA EA EA			
Bank modification(s)	No No No No No No No RS RS			
Bank failure(s)	No No No No No No No			
CHANNEL NOTE - <i>Use sh. bank face</i> <i>Use o. bank face</i>				
Channel substrate (fine)	CO CO CO CO CO CO CO PP CO CO			
Flow type (fine)	WW WW WW RP WW WW WW WW WW			
Channel modification(s)	No No No No No No No			
Channel feature(s)	No No No TR NO NO NO NO NO			
RIGHT BANK - <i>right bank</i> <i>downstream</i>				
Bank material (fine)	BA EA EA CC CL CO CO EA EA EA			
Bank modification(s)	RI NO NO RI RI NO NO NO NO			
Bank failure(s)	No No No No No NO NO NO			
F - BANK-TOPO LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)				
Land use: choose one FL, CP, SP, SL, TP, GW, NO, TL, SU				
LAND USE WITHIN 5m OF BANK TOP (L)				
LEFT BANK-TOP (structure within 1m)	B U U V U V U N B U			
LEFT BANK FACE (structure)	S S S S U V S U			
RIGHT BANK FACE (structure)	U U U B U U S U			
RIGHT BANK-TOP (structure within 1m)	U U U U S U U S U			
LAND USE WITHIN 5m OF BANK TOP (R)				
	FP FP FP FP FP FP FP SU SU			
G - CHANNEL VEGETATION TYPES (fill in redraft boxes with one entry; use F (to 35% area) or G (greater))				
NONE pick	<i>Plant genus (Latin name)</i>			
Liverleaf				
Emergent broad-leaved herbs				
Emergent reedy sedges/rushes				
Floating-leaved				
Free-floating				
Ambiphilous				
Submerged broad-leaved				
Submerged fine-leaved				
Filamentous algae				

the end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

PLANTS - *Use tick marks if grows in place*
& species of possible *of Peltandra peltata*

SITE NO. 14064 KRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m of BANKTOP: Cite E (< 33% banklength) or J if present

	L	R		L	R
Broadleafed woodland (BL)	<input checked="" type="checkbox"/>		Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantations (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/well-improved grass (IG)		E
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)	<input checked="" type="checkbox"/>		Suburban/urban development (SU)	E	<input checked="" type="checkbox"/>

I RANK PROFILES: Cite E (< 33% banklength) or J if present

	L	R		L	R
Natural/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial/modified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical/bundant			Reinstated		<input checked="" type="checkbox"/>
Reinforced + toe			Reinforced - whole bank		<input checked="" type="checkbox"/>
Steep (> 45°)		E E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial no-rivets		
Cut 0% space to flow path if different from above, after initial predetermined box			Poached		
			Embedded		
			Soil-bank embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	Notes	E < 33%	None	Present	E	No tree
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	Notes	None	Present	E	Notes
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cascades(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Step-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rapids(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pool(s) - spillways	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				Marginal deadwater - slack	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				Mature likelihood	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your expenses for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

1. CHANNEL DIMENSIONS: To be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK		Backlog width (m)	14.25	RIGHT BANK	
Backlog height (m)	2.25	Water width (m)	8.00	Backlog height (m)	0.75
Embedded height (m)		Water depth (m)	0.20	Embedded height (m)	

If trashline lower than backlog break in slope, indicate: height (m) 0.75 width (m) 9.25

Dead material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ pick one box Slope (IFE only) 3%

M. ARTIFICIAL FEATURES (Tick ☒ indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 0
 Footbridges = 1 Reservoirs = 0
 Oxbow = 0
 Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State: none
 weed-cutting ☐ enhancement ☐ stabilization ☒

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL		FLOODPLAIN (if on corridor)	
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Fog <input type="checkbox"/>	Other (state)
Braided/wide channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flood <input type="checkbox"/>	

P. CHOKED CHANNEL (Tick one box)

Is 35% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES One or more ☒

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompts and add words as appropriate)

Descriptive features: Left bank is steep stream on long riffle. Bank is high covered by silt/mud and rubble called sand in spot. Part of left bank is elevated in silt/rough ground which is bare/grassy. Major vegetation features: none. Right bank relatively and slightly sloping. Major impacts: none.

Incidental observations (Animals etc): none of hill. Bored Camouste (at a right bank).
 IFE 2 channels, 1st channel, 2nd channel

S. DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other (describe trees) State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed films for processing - labels supplied & stamped

NRA RIVER HABITAT SURVEY 1995 *196-2-1-1* Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Fluvial category

Distance from source(km) Significant tributary *71* Navigation *710*

B FIELD SURVEY DETAILS

Reference network site number: *4065*

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: *50293004* River: *LWYD*

Date *8.16.1995* Time: *13:00* Supervisor name *7B, 7M, PH, 16-AK, 78-99*
(write name) *6C, MLY, HD, 16-AK, FWD*

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) *with 500m x 1m*
general features
Existed - rather with regard to features

Site surveyed from: left bank ☒ right bank ☒ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl + *NOTES/extra diagram*

D. NUMBER OF RIFFLES, POOLS, AND POINT BARS (Use 1-11 then indicate total number)

Riffles *2* Unvegetated point bars ☐

Pools *0* Vegetated point bars ☐

IFE - Ind. - See river 1995/12

National Rivers Authority

DATES. Recd
1911.11.14

named

تتمة لفتاوى

Zaklady

10

Page 2 of 2

Riffles? ☐
 Pools ☐
 Unvegetated point bars ☐
 Vegetated point bars ☐

PHYSICAL ATTRIBUTES (Do be assessed across channel within a 1m wide zone) (Mark presence of feature)

Spot check 1 is at upstream end of section	1	2	3	4	5	6	7	8	9	10
LEFT BANK (looking downstream)	Erib									
Bank material (fine)	NR,NO,CG,SL,FE,EL	BE	BR	EA	BB	BR	EA	EA	EA	EA
Bank modification(s) <input type="checkbox"/> NR,NL,FC,FM,AN	NO	RI	NO	RE	RE	NO	NO	NO	NO	NO
Bank features(s) <input type="checkbox"/> NK,NL,CG,FC,FE,FR,FR,FR	SB	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE: Use bank data to assess aspect of channel	West									
Channel substrate (fine)	NK,NL,NO,CG,FC,FE,FR,FR,FR	CO	AR	CO	CO	CO	CO	CO	CO	CO
Flow type (low)	FR,COL,FR,LOW,FR,LOW,FR,LOW,FR,LOW	BEU	RP	RP	UU	UU	UU	UU	UU	UU
Channel modification(s) <input type="checkbox"/> NK,NL,AN,AL,AL,FO	NO	RI	NO	NO	NO	NO	NO	NO	NO	NO
Channel features(s) <input type="checkbox"/> NK,NL,AN,FR,FR,FR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (looking upstream)	Small									
Bank material (fine)	NR,NO,CG,SL,FE,EL	EA	BR	BR	EA	BR	BO	EA	BR	EA
Bank modification(s) <input type="checkbox"/> NR,NL,FC,FM,AN	NO	RE	RE	NO	RE	NO	NO	NO	NO	NO
Bank features(s) <input type="checkbox"/> NK,NL,CG,FC,FE,FR,FR,FR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (Do 1m assessed over a 10m wide transect)

Land use choice over 1m: FL, CP, LC, TC, PL, AL, OW, TL, SU

LAND USE WITHIN 5m of BANKTOP (S)	BL	BL	FL	SC	SC	SU	BL	PL	BL	BL
LEFT BANK-TOP (structure within 1m) <input type="checkbox"/> ERMAGE	C	C	U	S	S	C	C	C	C	C
LEFT BANK FACE (structure) <input type="checkbox"/> ERMAGE	C	S	S	B	B	S	S	S	S	S
RIGHT BANK FACE (structure) <input type="checkbox"/> ERMAGE	S	B	B	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) <input type="checkbox"/> ERMAGE	S	S	S	U	S	S	S	U	U	S
LAND USE WITHIN 5m of BANK TOP (N)	FL	SU	FL	SU	SU	BL	FL	SC	SC	BL

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with tick entry, use B, 13% area, or L (green))

NONE (not)	Plant genus (Latin name)									
Lythraceae		✓								✓
Cruciferae										✓
Emergent broad leaved herbs						✓				
Emergent reeds										
Typha/ragwort										
Floating-leaved (potamo)										
Free-floating										
Amphibious										
Schmucked - broad-leaved										
Schmucked fine leaved										
Filament, algae										

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or L)

PLANTS - Use 1st 4 hills of Beans \rightarrow Pota, Pota, angaton
+ species if possible of Pota, pect & Pota angaton pectinatus

DATE. heard	present	relieved	delivered chairs
-------------	---------	----------	---------------------

PLANTS - Use 1st 4 tubes of Greens \rightarrow Pota. & Pota. nitrogen
+ species if possible \rightarrow Pota. pest & Pota. nitrogen pesticides

Have you completed your expenses for this week? (send to FND for signature!)

Each - available! Post completed data for comparison - 1/1/16 - 3/1/16

2-05473, TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 4067

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 50495015 River: TINTERN BROOK

Date: 23/10/1995 Time: 16:00

Surveyor name: G. M. V. No. 101

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general features? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/mis. > margin

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1 if then indicate total number)

Riffles 5 Unvegetated point bars

Pools 4 Vegetated point bars

IFE: mid - see note 10012

National Rivers Authority

ES, Recal framed inhibited detritus clacks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box per feature)

Spot check 1 is at upstream end of site (tick one box)

LEFT BANK (looking downstream)

Bank material (fine) ☒ BE, CO, CL, SL, FE, CL

Bank modification(s) ☒ NO, RL, FC, M, LM

Bank feature(s) ☒ NO, NO, EC, SC, FC, RP, VP, VS

CHANNEL NOTE: Use the following to describe the channel

Channel substrate (fine) ☒ SI, SI, SI, SI, SI, SI, SI, RE, CO, GP, RP

Flow type (fine) ☒ SM, SM, SM, SM, RP, SM, RP, SM

Channel modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Channel feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

RIGHT BANK (looking downstream)

Bank material (fine) ☒ BE, CO, CL, SL, FE, CL

Bank modification(s) ☒ NO, RL, FC, M, LM

Bank feature(s) ☒ NO, NO, EC, SC, FC, RP, VP, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide distance)

Land use: choose one from RL, CP, NH, SC, LP, WL, OV, H, TL, SU, WL, RL, CAPR

LAND USE WITHIN 5m OF BANKTOP (L) ☒ RP, RP, WL, WL, WL, BL, IG, K, K, K

LEFT BANK-TOP (structure within 1m) ☒ U, U, S, S, S, S, U, U, U

LEFT BANK FACE (structure) ☒ U, U, B, U, B, S, S, S, S, S

RIGHT BANK FACE (structure) ☒ U, U, U, B, U, S, S, S, S, S

RIGHT BANK-TOP (structure within 1m) ☒ U, U, S, S, S, S, S, U, U, U

LAND USE WITHIN 5m OF BANK TOP (R) ☒ RP, RP, WL, WL, WL, BL, IG, K, K, K

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry, use B (≥ 33% area) or F (grass))

NONE (tick)

Liverworts/mosses/lichens

Emergent broad-leaved herbs

Submerged broad-leaved

Submerged fine-leaved

Flowering-leaved (aquatic)

Free-floating

Amphibious

Submerged broad-leaved

Submerged fine-leaved

Filamentous algae

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use K or V)

PLANTS - Use the following codes to indicate the vegetation + species if possible eg Potamogeton pectinatus

Repeat 1

SITE NO. 4067 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use B (≥ 33% banklength) or F if present)

Broadleaf/mixed woodland (BL) CAPR ☒

Coniferous plantation (CP) ☐

Moorland/heath (MH) ☐

Scrub (SC) ☐

Rough pasture (RP) ☒

Wetland (eg bog, marsh, fen) (WL) ☐

Open water (OW) ☐

Improved/semi-improved grass (IG) ☐

Tilled land (TL) ☐

Suburban/urban development (SU) ☐

I BANK PROFILES (Use B (≥ 33% banklength) or F if present)

Natural/unmodified ☒

Artificial/modified ☐

Vertical/undercut ☒

Reinforced - whole bank ☐

Reinforced - top only ☐

Reinforced - toe only ☐

Composite ☐

Abundant two-stage ☐

Poached ☐

Embarked ☐

Set-back embankments ☐

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☐

Isolated/scattered ☐

Regularly spaced, single ☐

Occasional clumps ☐

Semi-continuous ☐

Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

Shading of channel ☐

Overhanging boughs ☐

Exposed bankside roots ☐

Underwater tree roots ☐

Fallen trees ☐

Coarse woody debris ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐

Cascade(s) - chute ☐

Step/pool sequence ☐

Rapid(s) - whitewater ☐

Riffle-pool sequence ☐

Rus(s) - disturbed, rippled ☐

Boil(s) - upwellings ☐

Glide(s) - smooth, no eddies ☐

Marginal deadwater - silt ☐

Exposed bedrock ☐

Exposed boulders ☐

Unvegetated mid-channel bars ☐

Vegetated mid-channel bars ☐

Mature island(s) ☐

Unvegetated side bars ☐

Vegetated side bars ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 2.5

Banktop height (m) 0.3

Water width (m) 2.5

Banktop height (m) 0.5

Enhanced height (m) 0.05

Water depth (m) 0.05

Enhanced height (m) 0.05

If trawl line lower than banktop break in slope, indicate height (m) 1.2 width (m) 27 (floods into field)

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1 if indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Part of site ☐ Other = (fill in details) ☐

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth/hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State ☐

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐

Braided/side channels ☐

Debris dams ☐

Leafy debris ☐

FLOODPLAIN (50m corridor)

Artificial open water ☐

Natural open water ☐

Water meadow ☐

Fen ☐

Bog ☐

Carri ☐

Marsh ☐

Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1 if or B (≥ 33% area) or F (grass))

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State ☐

R BRIEF DESCRIPTION (Use prompts and 10 words as appropriate)

Descriptive section: Unusual 500m stretch, since in 3 sections:

Plants of note (see 1012)

Major conservation features:

Major impacts:

Incidental observations (animals etc): Also side channel for old mill! (with waterfall).

IFE: channel single bed, 2.5m wide

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State ☐

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 4BB

Envelopes supplied! Post completed forms for processing - labels supplied separately

detail on

PLANTS - Use 1st 4 letters of genus → Pot. or Potangeton
+ species if possible of Pot. part a Potangeton pectinatus

Page 3 of 4

Have you completed your expenses from this week? (send to FND for signature!)

Page 4 of 4

END COMPLETED FORM: TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source (km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4073

Mid-section grid reference of network site (if different from designated location):

COMPLET THE FOLLOWING FOR ALL SITES

Grid Reference: S501082 River: CHURN

Date (1.1.1995) Time: 17.00 Surveyor name: G.C. M.L.V. No. 106 FWD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (pick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) (see 1.6 on 1)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on 1.6 on 1

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 4 Unvegetated point bars

Pools 2 Vegetated point bars

100m SWEEP-UP

National Rivers Authority

JAMES. Record prepared 1995.12.17

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel within a 3m wide strip) (tick one box)

Spot check 1 is at: upstream end ☐ downstream end ☒ (tick one box)

LEFT BANK (tick one box)

Bank material (fine) ☒ NO. 10.11.12.13.14.15.16.17.18.19.20.21.22.23.24.25.26.27.28.29.30.31.32.33.34.35.36.37.38.39.40.41.42.43.44.45.46.47.48.49.50.51.52.53.54.55.56.57.58.59.60.61.62.63.64.65.66.67.68.69.70.71.72.73.74.75.76.77.78.79.80.81.82.83.84.85.86.87.88.89.90.91.92.93.94.95.96.97.98.99.100.101.102.103.104.105.106.107.108.109.110.111.112.113.114.115.116.117.118.119.120.121.122.123.124.125.126.127.128.129.130.131.132.133.134.135.136.137.138.139.140.141.142.143.144.145.146.147.148.149.150.151.152.153.154.155.156.157.158.159.160.161.162.163.164.165.166.167.168.169.170.171.172.173.174.175.176.177.178.179.180.181.182.183.184.185.186.187.188.189.190.191.192.193.194.195.196.197.198.199.200.201.202.203.204.205.206.207.208.209.210.211.212.213.214.215.216.217.218.219.220.221.222.223.224.225.226.227.228.229.230.231.232.233.234.235.236.237.238.239.240.241.242.243.244.245.246.247.248.249.250.251.252.253.254.255.256.257.258.259.260.261.262.263.264.265.266.267.268.269.270.271.272.273.274.275.276.277.278.279.280.281.282.283.284.285.286.287.288.289.290.291.292.293.294.295.296.297.298.299.300.301.302.303.304.305.306.307.308.309.310.311.312.313.314.315.316.317.318.319.320.321.322.323.324.325.326.327.328.329.330.331.332.333.334.335.336.337.338.339.340.341.342.343.344.345.346.347.348.349.350.351.352.353.354.355.356.357.358.359.360.361.362.363.364.365.366.367.368.369.370.371.372.373.374.375.376.377.378.379.380.381.382.383.384.385.386.387.388.389.390.391.392.393.394.395.396.397.398.399.400.401.402.403.404.405.406.407.408.409.410.411.412.413.414.415.416.417.418.419.420.421.422.423.424.425.426.427.428.429.430.431.432.433.434.435.436.437.438.439.440.441.442.443.444.445.446.447.448.449.450.451.452.453.454.455.456.457.458.459.460.461.462.463.464.465.466.467.468.469.470.471.472.473.474.475.476.477.478.479.480.481.482.483.484.485.486.487.488.489.490.491.492.493.494.495.496.497.498.499.500.501.502.503.504.505.506.507.508.509.510.511.512.513.514.515.516.517.518.519.520.521.522.523.524.525.526.527.528.529.530.531.532.533.534.535.536.537.538.539.540.541.542.543.544.545.546.547.548.549.550.551.552.553.554.555.556.557.558.559.560.561.562.563.564.565.566.567.568.569.570.571.572.573.574.575.576.577.578.579.580.581.582.583.584.585.586.587.588.589.590.591.592.593.594.595.596.597.598.599.600.601.602.603.604.605.606.607.608.609.610.611.612.613.614.615.616.617.618.619.620.621.622.623.624.625.626.627.628.629.630.631.632.633.634.635.636.637.638.639.640.641.642.643.644.645.646.647.648.649.650.651.652.653.654.655.656.657.658.659.660.661.662.663.664.665.666.667.668.669.670.671.672.673.674.675.676.677.678.679.680.681.682.683.684.685.686.687.688.689.690.691.692.693.694.695.696.697.698.699.700.701.702.703.704.705.706.707.708.709.710.711.712.713.714.715.716.717.718.719.720.721.722.723.724.725.726.727.728.729.730.731.732.733.734.735.736.737.738.739.740.741.742.743.744.745.746.747.748.749.750.751.752.753.754.755.756.757.758.759.760.761.762.763.764.765.766.767.768.769.770.771.772.773.774.775.776.777.778.779.780.781.782.783.784.785.786.787.788.789.790.791.792.793.794.795.796.797.798.799.800.801.802.803.804.805.806.807.808.809.810.811.812.813.814.815.816.817.818.819.820.821.822.823.824.825.826.827.828.829.830.831.832.833.834.835.836.837.838.839.840.841.842.843.844.845.846.847.848.849.850.851.852.853.854.855.856.857.858.859.860.861.862.863.864.865.866.867.868.869.870.871.872.873.874.875.876.877.878.879.880.881.882.883.884.885.886.887.888.889.890.891.892.893.894.895.896.897.898.899.900.901.902.903.904.905.906.907.908.909.910.911.912.913.914.915.916.917.918.919.920.921.922.923.924.925.926.927.928.929.930.931.932.933.934.935.936.937.938.939.940.941.942.943.944.945.946.947.948.949.950.951.952.953.954.955.956.957.958.959.960.961.962.963.964.965.966.967.968.969.970.971.972.973.974.975.976.977.978.979.980.981.982.983.984.985.986.987.988.989.990.991.992.993.994.995.996.997.998.999.1000.1001.1002.1003.1004.1005.1006.1007.1008.1009.1010.1011.1012.1013.1014.1015.1016.1017.1018.1019.1020.1021.1022.1023.1024.1025.1026.1027.1028.1029.1030.1031.1032.1033.1034.1035.1036.1037.1038.1039.1040.1041.1042.1043.1044.1045.1046.1047.1048.1049.1050.1051.1052.1053.1054.1055.1056.1057.1058.1059.1060.1061.1062.1063.1064.1065.1066.1067.1068.1069.1070.1071.1072.1073.1074.1075.1076.1077.1078.1079.1080.1081.1082.1083.1084.1085.1086.1087.1088.1089.1090.1091.1092.1093.1094.1095.1096.1097.1098.1099.1100.1101.1102.1103.1104.1105.1106.1107.1108.1109.1110.1111.1112.1113.1114.1115.1116.1117.1118.1119.1120.1121.1122.1123.1124.1125.1126.1127.1128.1129.1130.1131.1132.1133.1134.1135.1136.1137.1138.1139.1140.1141.1142.1143.1144.1145.1146.1147.1148.1149.1150.1151.1152.1153.1154.1155.1156.1157.1158.1159.1160.1161.1162.1163.1164.1165.1166.1167.1168.1169.1170.1171.1172.1173.1174.1175.1176.1177.1178.1179.1180.1181.1182.1183.1184.1185.1186.1187.1188.1189.1190.1191.1192.1193.1194.1195.1196.1197.1198.1199.1200.1201.1202.1203.1204.1205.1206.1207.1208.1209.1210.1211.1212.1213.1214.1215.1216.1217.1218.1219.1220.1221.1222.1223.1224.1225.1226.1227.1228.1229.1230.1231.1232.1233.1234.1235.1236.1237.1238.1239.1240.1241.1242.1243.1244.1245.1246.1247.1248.1249.1250.1251.1252.1253.1254.1255.1256.1257.1258.1259.1260.1261.1262.1263.1264.1265.1266.1267.1268.1269.1270.1271.1272.1273.1274.1275.1276.1277.1278.1279.1280.1281.1282.1283.1284.1285.1286.1287.1288.1289.1290.1291.1292.1293.1294.1295.1296.1297.1298.1299.1300.1301.1302.1303.1304.1305.1306.1307.1308.1309.1310.1311.1312.1313.1314.1315.1316.1317.1318.1319.1320.1321.1322.1323.1324.1325.1326.1327.1328.1329.1330.1331.1332.1333.1334.1335.1336.1337.1338.1339.1340.1341.1342.1343.1344.1345.1346.1347.1348.1349.1350.1351.1352.1353.1354.1355.1356.1357.1358.1359.1360.1361.1362.1363.1364.1365.1366.1367.1368.1369.1370.1371.1372.1373.1374.1375.1376.1377.1378.1379.1380.1381.1382.1383.1384.1385.1386.1387.1388.1389.1390.1391.1392.1393.1394.1395.1396.1397.1398.1399.1400.1401.1402.1403.1404.1405.1406.1407.1408.1409.1410.1411.1412.1413.1414.1415.1416.1417.1418.1419.1420.1421.1422.1423.1424.1425.1426.1427.1428.1429.1430.1431.1432.1433.1434.1435.1436.1437.1438.1439.1440.1441.1442.1443.1444.1445.1446.1447.1448.1449.1450.1451.1452.1453.1454.1455.1456.1457.1458.1459.1460.1461.1462.1463.1464.1465.1466.1467.1468.1469.1470.1471.1472.1473.1474.1475.1476.1477.1478.1479.1480.1481.1482.1483.1484.1485.1486.1487.1488.1489.1490.1491.1492.1493.1494.1495.1496.1497.1498.1499.1500.1501.1502.1503.1504.1505.1506.1507.1508.1509.1510.1511.1512.1513.1514.1515.1516.1517.1518.1519.1520.1521.1522.1523.1524.1525.1526.1527.1528.1529.1530.1531.1532.1533.1534.1535.1536.1537.1538.1539.1540.1541.1542.1543.1544.1545.1546.1547.1548.1549.1550.1551.1552.1553.1554.1555.1556.1557.1558.1559.1560.1561.1562.1563.1564.1565.1566.1567.1568.1569.1570.1571.1572.1573.1574.1575.1576.1577.1578.1579.1580.1581.1582.1583.1584.1585.1586.1587.1588.1589.1590.1591.1592.1593.1594.1595.1596.1597.1598.1599.1600.1601.1602.1603.1604.1605.1606.1607.1608.1609.1610.1611.1612.1613.1614.1615.1616.1617.1618.1619.1620.1621.1622.1623.1624.1625.1626.1627.1628.1629.1630.1631.1632.1633.1634.1635.1636.1637.1638.1639.1640.1641.1642.1643.1644.1645.1646.1647.1648.1649.1650.1651.1652.1653.1654.1655.1656.1657.1658.1659.1660.1661.1662.1663.1664.1665.1666.1667.1668.1669.1670.1671.1672.1673.1674.1675.1676.1677.1678.1679.1680.1681.1682.1683.1684.1685.1686.1687.1688.1689.1690.1691.1692.1693.1694.1695.1696.1697.1698.1699.1700.1701.1702.1703.1704.1705.1706.1707.1708.1709.1710.1711.1712.1713.1714.1715.1716.1717.1718.1719.1720.1721.1722.1723.1724.1725.1726.1727.1728.1729.1730.1731.1732.1733.1734.1735.1736.1737.1738.1739.1740.1741.1742.1743.1744.1745.1746.1747.1748.1749.1750.1751.1752.1753.1754.1755.1756.1757.1758.1759.1760.1761.1762.1763.1764.1765.1766.1767.1768.1769.1770.1771.1772.1773.1774.1775.1776.1777.1778.1779.1780.1781.1782.1783.1784.1785.1786.1787.1788.1789.1790.1791.1792.1793.1794.1795.1796.1797.1798.1799.1800.1801.1802.1803.1804.1805.1806.1807.1808.1809.1810.1811.1812.1813.1814.1815.1816.1817.1818.1819.1820.1821.1822.1823.1824.1825.1826.1827.1828.1829.1830.1831.1832.1833.1834.1835.1836.1837.1838.1839.1840.1841.1842.1843.1844.1845.1846.1847.1848.1849.1850.1851.1852.1853.1854.1855.1856.1857.1858.1859.1860.1861.1862.1863.1864.1865.1866.1867.1868.1869.1870.1871.1872.1873.1874.1875.1876.1877.1878.1879.1880.1881.1882.1883.1884.1885.1886.1887.1888.1889.1890.1891.1892.1893.1894.1895.1896.1897.1898.1899.1900.1901.1902.1903.1904.1905.1906.1907.1908.1909.1910.1911.1912.1913.1914.1915.1916.1917.1918.1919.1920.1921.1922.1923.1924.1925.1926.1927.1928.1929.1930.1931.1932.1933.1934.1935.1936.1937.1938.1939.1940.1941.1942.1943.1944.1945.1946.1947.1948.1949.1950.1951.1952.1953.1954.1955.1956.1957.1958.1959.1960.1961.1962.1963.1964.1965.1966.1967.1968.1969.1970.1971.1972.1973.1974.1975.1976.1977.1978.1979.1980.1981.1982.1983.1984.1985.1986.1987.1988.1989.1990.1991.1992.1993.1994.1995.1996.1997.1998.1999.2000.2001.2002.2003.2004.2005.2006.2007.2008.2009.2010.2011.2012.2013.2014.2015.2016.2017.2018.2019.2020.2021.2022.2023.2024.2025.2026.2027.2028.2029.2030.2031.2032.2033.2034.2035.2036.2037.2038.2039.2040.2041.2042.2043.2044.2045.2046.2047.2048.2049.2050.2051.2052.2053.2054.2055.2056.2057.2058.2059.2060.2061.2062.2063.2064.2065.2066.2067.2068.2069.2070.2071.2072.2073.2074.2075.2076.2077.2078.2079.2080.2081.2082.2083.2084.2085.2086.2087.2088.2089.2090.2091.2092.2093.2094.2095.2096.2097.2098.2099.2100.2101.2102.2103.2104.2105.2106.2107.2108.2109.2110.2111.2112.2113.2114.2115.2116.2117.2118.2119.2120.2121.2122.2123.2124.2125.2126.2127.2128.2129.2130.2131.2132.2133.2134.2135.2136.2137.2138.2139.2140.2141.2142.2143.2144.2145.2146.2147.2148.2149.2150.2151.2152.2153.2154.2155.2156.2157.2158.2159.2160.2161.2162.2163.2164.2165.2166.2167.2168.2169.2170.2171.2172.2173.2174.2175.2176.2177.2178.2179.2180.2181.2182.2183.2184.2185.2186.2187.2188.2189.2190.2191.2192.2193.2194.2195.2196.2197.2198.2199.2200.2201.2202.2203.2204.2205.2206.2207.2208.2209.2210.2211.2212.2213.2214.2215.2216.2217.2218.2219.2220.2221.2222.2223.2224.2225.2226.2227.2228.2229.2230.2231.2232.2233.2234.2235.2236.2237.2238.2239.2240.2241.2242.2243.2244.2245.2246.2247.2248.2249.2250.2251.2252.2253.2254.2255.2256.2257.2258.2259.2260.2261.2262.2263.2264.2265.2266.2267.2268.2269.2270.2271.2272.2273.2274.2275.2276.2277.2278.2279.2280.2281.2282.2283.2284.2285.2286.2287.2288.2289.2290.2291.2292.2293.2294.2295.2296.2297.2298.2299.2300.2301.2302.2303.2304.2305.2306.2307.2308.2309.2310.2311.2312.2313.2314.2315.2316.2317.2318.2319.2320.2321.2322.2323.2324.2325.2326.2327.2328.2329.2330.2331.2332.2333.2334.2335.2336.2337.2338.2339.2340.2341.2342.2343.2344.2345.2346.2347.2348.2349.2350.2351.2352.2353.2354.2355.2356.2357.2358.2359.2360.2361.2362.2363.2364.2365.2366.2367.2368.2369.2370.2371.2372.2373.2374.2375.2376.2377.2378.2379.2380.2381.2382.2383.2384.2385.2386.2387.2388.2389.2390.2391.2392.2393.2394.2395.2396.2397.2398.2399.2400.2401.2402.2403.2404.2405.2406.2407.2408.2409.2410.2411.2412.2413.2414.2415.2416.2417.2418.2419.2420.2421.2422.2423.2424.2425.2426.2427.2428.2429.2430.2431.2432.2433.2434.2435.2436.2437.2438.2439.2440.2441.2442.2443.2444.2445.2446.2447.2448.2449.2450.2451.2452.2453.2454.2455.2456.2457.2458.2459.2460.2461.2462.2463.2464.2465.2466.2467.2468.2469.2470.2471.2472.2473.2474.2475.2476.2477.2478.2479.2480.2481.2482.2483.2484.2485.2486.2487.2488.2489.2490.2491.2492.2493.2494.2495.2496.2497.2498.2499.2500.2501.2502.2503.2504.2505.2506.2507.2508.2509.2510.2511.2512.2513.2514.2515.2516.2517.2518.2519.2520.2521.2522.2523.2524.2525.2526.2527.2528.2529.2530.2531.2532.2

NRA RIVER HABITAT SURVEY 1995: IFB P.A.A. Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 4082
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: SP 974001 River: CHESSE
Date 10/5/1995 Time: 9:30 Surveyor name: 78.74 PM 16AK 70m
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: 6-6 mile 40 116 PWD
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general features ☐ specific features ☒ (tick one box) 6-6 mile 40 116 PWD
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☒ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/extra diagrams

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles Unvegetated point bars
Pools Vegetated point bars

IFB - mid - see river page 3

National Rivers Authority

DATES: record planned validated duplicate checks

REPEAT 1

SITE NO. 4082 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F if present)

	L	R		L	R
Broadleaf/deciduous woodland (BL)	E		Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		E
Scrub (SC)			Tilled land (TL)		(B or A)
Rough pasture (RP)			Suburban/urban development (SU)	E	E

I. BANK PROFILES (Use E (in 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	7	7	Recessed		
Vertical + toe	7		Reinforced - whole bank	7	
Steep (> 45°)			Reinforced - top only		
Grass		E	Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after diking predetermined box					
	Peached				
	Embedded				
	Set-back embankments				

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E	NO YES
None	<input type="checkbox"/>	<input type="checkbox"/>	E > 33%	<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	
			Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E	NO YES
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	
Rapids(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your squares from this week? (Send to PWD for signature!)

P.A.A. 1995

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (d) (Mark presence of feature)

Spot check 1 is at: upstream end of site (Tick one)

	1	2	3	4	5	6	7	8	9	10	11
LEFT BANK											
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	VS	NO	NO	NO	NO	VS	VS	NO	NO	NO	
CHANNEL NOTE (Use appropriate code)											
Channel substrate (fine)	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	
Flow type (fine)	RP	RP	SM	SM	RP	SM	SM	SM	RP	SM	
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	NO	NO	NO	
Channel feature(s)	NO	NO	TR	NO	NO	MI	MI	NO	TR	NO	
RIGHT BANK											
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	VS	VS	VS	VS	VS	NO	NO	NO	
BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide area)											
Land use: choose one from BL, CP, MH, IG, RP, SU, TL, W, OW, TL, SU											
LAND USE WITHIN 5m OF BANKTOP (S)	FL	FL	BL	FL	BL	SU	SU	SU	SU	SU	
LEFT BANK-TOP (structure within 1m)	C	C	C	C	C	S	S	S	S	S	
LEFT BANK FACE (structure)	S	S	C	S	C	S	S	S	S	S	
RIGHT BANK-TOP (structure within 1m)	C	C	S	S	C	S	S	S	S	S	
RIGHT BANK FACE (structure)	S	C	S	C	S	S	S	S	S	S	
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	SU	SU	SU	SU	SU	
CHANNEL VEGETATION TYPES (tick in relevant boxes with note: use E (in 33% river) or F (otherwise))											
NONE (tick)											
Emergent reeds											
Emergent broad-leaved herbs											
Emergent sedges											
Emergent sedge/iris											
Flowering reeds											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine-leaved											
Filamentous algae											

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use list of plants in P.A.A. 1995: TEN SPOT CHECKS
+ species if possible eg Pota, peat, P. potamogeton, P. perfoliatus

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Water	Right Bank
Banktop width (m)	4.75		
Banktop height (m)	1.5	Water width (m)	4.5
Banktop height (m)		Banktop height (m)	0.75
Banktop height (m)		Water depth (m)	0.4
Banktop height (m)		Banktop height (m)	4.75
Banktop height (m)		Banktop height (m)	

If bankline lower than banktop break in slope, indicate height (m) 0.25 width(m) 4.75

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-11 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 0 Weirs = 0 Roadbridges = 0 Outfalls = 0 Ferds = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State: 0

wood-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Big ☐ Other (state): 0

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fine (M.A. 1995: TEN SPOT CHECKS) ☒ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use E or F)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: 0

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Clear flowing chalkstream, although silty.

Plants of note: (see list)

Major conservation features: Nice Carr on LHB, providing wildlife corridor.

Major impacts: Top 1/2 mowed at site of old watercress beds.

Incidental observations (animals etc): 0

IFB checked by 0

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: 0

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied separately

P.A.A. 1995

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION:

Altitude(m) Slope (m/m) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS:

Reference network site number: 4092
Mid-section grid reference of network site (if different from designated location):
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: TL985022 River: Tributary into Ashfield Brook
Date: 20/5/1995 Time: 13:10 Surveyor name: (signature)
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box) with site map
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM: (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes on structure

D. NUMBER OF RIFFLES, POOLS AND POINT BARS: (See 1.11, then indicate total number)

Riffles: 0 Pools: 0 Unvegetated point bars: 0
Vegetated point bars: 0

IFB total = 0

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel width > 1m wide zone) (tick one box)

Spot check 1 is on upstream and deviation (tick one box)

LEFT BANK (tick one box)

Bank material (fine) 11.20.00.01.21.22.01
Bank modification(s) ☒ 11.20.01.21.22.01
Bank features(s) ☒ 11.20.01.21.22.01
CHANNEL NOTE: None
Channel substrate (fine) 11.20.00.01.21.22.01
Flow type (fine) 11.20.00.01.21.22.01
Channel modification(s) ☒ 11.20.01.21.22.01
Channel features(s) ☒ 11.20.01.21.22.01
RIGHT BANK (tick one box)
Bank material (fine) 11.20.00.01.21.22.01
Bank modification(s) ☒ 11.20.01.21.22.01
Bank features(s) ☒ 11.20.01.21.22.01

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, SP, SL, GP, PL, TL, TU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) RAIUC
LEFT BANK FACE (structure) RAIUC
RIGHT BANK-TOP (structure within 1m) RAIUC
RIGHT BANK FACE (structure) RAIUC
LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry per E (in 11% area) or 1 (in 1% area))

NONE (tick one box)

None (tick one box)

Free-floating: None
Amphibious: None
Submerged: None
Submerged fine: None
Filamentous algae: None

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (see E or F)

PLANTS - Use tick boxes of groups of plants & vegetation + species if possible of both part of streamside vegetation

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 10m OF BANKTOP (tick one box in 33% banklength) or if present

Left Right

Broadleaved woodland (BL)
Coniferous plantation (CP)
Moorland/heath (MH)
Scrub (SC)
Rough pasture (RP)
Wetland (eg bog, marsh, fen) (WL)
Open water (OW)
Improved/unimproved grass (IG)
Tilled land (TL)
Suburban/urban development (SU)

III. BANK PROFILES: Use E (in 33% banklength) or if present

Left Right Artificial/modified

Vertical undercut None
Vertical + toe None
Steep (> 45°) None
Grazed None
Composite None

IV. EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per feature)

Trees (tick one box per bank)

Left Right

None ☐ ☐
Isolated/scattered ☐ ☐
Regularly spaced, single ☐ ☐
Occasional clumps ☐ ☐
Semi-continuous ☐ ☐
Continuous ☐ ☐

Associated features (tick one box per feature)

None Present E

Shading of channel ☐ ☐ ☐
Overhanging boughs ☐ ☐ ☐
Exposed bedrock ☐ ☐ ☐
Exposed boulders ☐ ☐ ☐
Unvegetated mid-channel bars ☐ ☐ ☐
Vegetated mid-channel bars ☐ ☐ ☐
Mature island(s) ☐ ☐ ☐
Unvegetated side bars ☐ ☐ ☐
Vegetated side bars ☐ ☐ ☐

V. EXTENT OF CHANNEL FEATURES (tick one box per feature)

None Present E

Waterfalls > 5m high ☐ ☐ ☐
Cascades > 1m high ☐ ☐ ☐
Step-pool sequences ☐ ☐ ☐
Rapids > 1m high ☐ ☐ ☐
Run(s) - disturbed, rippled ☐ ☐ ☐
Bail(s) - rippled, smooth, rocky ☐ ☐ ☐
Glides > 1m high ☐ ☐ ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK RIGHT BANK

Backstop width (m) 1.5
Backstop height (m) 1.5
Enbankment height (m) 0.1
Water width (m) 1.5
Water depth (m) 0.1
Enbankment height (m) 0.1

If trawl line lower than backstop break in slope, indicate: height (m) width (m)

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (tick one box in 33% banklength) or if present

None ☐ Number of Culverts = 1 Weirs = 0 Outfalls = 0 Folds = 0
Footbridges = 1 Roadbridges = 0 Other = 0
Is water level controlled by weir/dam/downstream? No ☐ Part of site ☐ Other ☐ (tick one box)

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dragging ☐ moving ☐ Other? None
weeding ☐ enhancement ☐ reseeded banks, but not recent

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) None
Boulder/cobble channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Wet meadow ☐ Marsh ☐
Loose debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? None

R. BRIEF DESCRIPTION (tick appropriate box(es))

Descriptive sentence: Field ditch in agricultural land. Little flow in summer
Plants of note: None
Major conservation features: None
Major impacts: Agricultural land
Incidental observations (animals etc): None

S. DISEASE (tick one box)

None ☐ Present ☐ Extensive ☐ Other disease threat? None

SEND COMPLETED FORM TO NICHOLAS DAVISON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied on request.

B. FIELD SURVEY DETAILS:

Mid-section grid reference of network site if different from designated location:

Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

IFG - m.d. - 500 + (500) (1000)

Details

Page 2 of 4

Die folgenden Punkte sind:

[illegible]

9405.91

ETED FORM: TO HUGH DAWSON, IFE, RYER LABORATORY, EAST STOK. WAREHAM, BH20 6BB

1

[illegible]

PLANTS - Use 1st 4 letters of genus & Pota, stolonization
+ species if possible & Pota part & Pota-nogon part-native

NKA RIVER HABITAT SURVEY 1996: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS: To be measured at one site on a straight uniform section, preferably across a riffle.

LEFT BANK	Banktop width (m)	45.0	RIGHT BANK
Banktop height (m)	Water width (m)	35.0	Banktop height (m)
E-banked height (m)	Water depth (m)	0.60	E-banked height (m)

If bankline lower than banktop track in slope, indicate: Height (m) 2.50 Width(m) 37.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ pick one box; Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1 if indicative word number, tick "none" where appropriate)

Nets ☐ Number of Culverts = Water = Outfalls = Fords =
Feederdams = Penstocks = Gates =
Is water level controlled by weir/dam downstream? No ☒ Part of it ☐ Yes/full extent of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? Stone bridge hole in rip rap
weeding ☐ clearcut ☐ & stalling tank at road side.

O FEATURES OF SPECIAL INTEREST (Tick appropriate feature)

CHANNEL	FLOODPLAIN (often essential)		
Waterfalls > 5m high <input type="checkbox"/>	Aquatic open water <input type="checkbox"/>	Bag <input type="checkbox"/>	Other (state)
Gravel/silt channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Cut <input type="checkbox"/>	
Drain dams <input type="checkbox"/>	Wetland meadow <input type="checkbox"/>	Mud <input type="checkbox"/>	
Leaky debris <input type="checkbox"/>	Fox <input type="checkbox"/>	Flush <input type="checkbox"/>	

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (tick all that apply)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☒ Other? None

R BRIEF DESCRIPTION (Use printed key words as appropriate) The Site(s):

Descriptive features: Wide for most part slow flowing and deep (1.5m at bank)
including outside substrate down stream - shallows and fast on middle
Facts of note:
will have veg. side bar. Left bank top will then grass very
Major restoration features: will be done I.G.
Major impacts: south
Incidental observations (animals etc):

IF 2 channels both R & L bed ☒

S DISEASED ALGAE (Tick one box)

None ☐ Present ☐ Extensive ☐ Other disease tract? None

FORM COMPLETED FOR THE NCA RIVER LABORATORY, EAST STAKE, WAREHAM, Dorset CB8 9EB

Franklin needed 1 Post completed file for printing - labels supplied as type

NRA RIVER HABITAT SURVEY 1995 (Form A-A) Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION:

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____
 Solid geology code _____ Drift geology code _____ Platform category _____
 Distance from source (km) _____ Significant tributary? ☒ Navigation? ☐

B. FIELD SURVEY DETAILS

Reference network site number: **4103**
 Mid-section grid reference of network site if different from designated location: _____
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: **ST401928** River: **MOON'S DITCH**
 Date: **12/6/1995** Time: **10:50** Surveyor name: **78.74 (H) 16.4K 70m**
 Adverse conditions affecting survey? No ☐ Yes ☐ If yes, note: _____
 End of river visible? No ☐ partially ☐ entirely ☒ (pick one box)
 Photographs: general characters? No ☐ Yes ☐ (pick one box) **Solo N/A**
 Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + note/extra description

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/10 then indicate total number)

Riffles **42** Unvegetated point bars **4**
 Pools **15** Vegetated point bars **0**
 (F.S. in 1 - See notes on p. 1)

National Rivers Authority

Site: **head** **ground** **middle** **down**

NRA RIVER HABITAT SURVEY 1995: TAN-SHOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (tick one checked across channel within a 10m wide zone)

Left bank: **EA CO EA EA EA EA EA EA EA**
 Right bank: **CO CO CO EA EA EA EA EA EA**
 Channel substrate: **CO BE BO ST ST BE SP BE BE CO**
 Channel modifications: **UW UW RP SM CH UW SM UW UW**
 Channel features: **NO NO NO NO NO NO NO NO NO**
 Right bank: **CO CO CO EA EA EA EA EA EA**
 Right bank modifications: **NO NO NO NO NO NO NO NO NO**
 Right bank features: **NO NO NO NO NO NO NO NO NO**

F. BANK-TO-TOE LAND USE AND VEGETATION STRUCTURE (tick one checked over a 10m wide zone)

Land use: **BL BL BL BL BL BL BL BL BL**
 Left bank face: **C C C C C C C C C**
 Right bank face: **S S S S S S S S S**
 Right bank top: **E E E E E E E E E**
 Land use within 10m of bank top: **BL BL BL BL BL BL BL BL BL**

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one checked per 10m section)

None (tick) ☐ Plant green (tick) ☒
 Emergent broad-leaved ☐ ☒
 Emergent narrow-leaved ☐ ☒
 Floating-leaved ☐ ☒
 Free-floating ☐ ☒
 Amphibious ☐ ☒
 Submerged broad-leaved ☐ ☒
 Submerged narrow-leaved ☐ ☒
 Filamentous algae ☐ ☒

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (see E or F)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E in 1/10 horizontal or if present)

Wetland (eg bog, marsh, fen) ☒
 Open water ☐
 Improved/unimproved grass ☐
 Tilled land ☐
 Suburban/urban development ☐

I. BANK PROFILES (Use E in 1/10 horizontal or if present)

Natural/unmodified ☒ Artificial/modified ☐
 Vertical/horizontal ☒ Reinforced - whole bank ☐
 Vertical + toe ☒ Reinforced - toe only ☐
 Steep (>45°) ☒ Reinforced - toe only ☐
 Gentle ☒ Artificial toe/structure ☐
 Use 1/10 to show profile ☐ Reinforced ☐
 Use 1/10 to show profile ☐ Embankment ☐
 Use 1/10 to show profile ☐ Seabank embankment ☐

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

Trees: ☒ None ☐ Isolated/scattered ☐ Regularly spaced, single ☐ Occasional clumps ☐ Stand-continuous ☐ Continuous ☐
 Associated features: ☒ Shading of channel ☐ Overhanging boughs ☐ Exposed bankside roots ☐ Underwater tree roots ☐ Fallen trees ☐ Coarse woody debris ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfalls ☐ Scour ☐ Deposition ☐ Exposed bedrock ☐ Exposed boulders ☐ Unvegetated mid-channel bars ☐ Vegetated mid-channel bars ☐ Station islands ☐ Unvegetated side bars ☐ Vegetated side bars ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

Left bank: **1.80** Right bank: **0.40**
 Banktop height (m): **0.25** Water width (m): **1.0** Banktop height (m): **0.40**
 Embankment height (m): **0.03** Water depth (m): **0.25** Embankment height (m): **1.10**

M. ARTIFICIAL FEATURES (Use 1/10 to indicate spot number, tick "none" where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Feeds = _____
 Is water level controlled by weirs/dams/droppers? No ☒ Part of site ☐ Part of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ moving ☐ Other? ☐
 weedcutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (tick appropriate box)

Channel: ☐ Waterfalls > 5m high ☐ Artificial open water ☐ Big ☐ Other (tick) ☐
 Bankside features: ☐ Exposed bedrock ☐ Natural open water ☐ Cur ☐
 Debris dams: ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fern ☐ Flack ☐

P. CHOKED CHANNEL (tick one box)

Is 35% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE RAISANCE PLANT SPECIES (tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? ☐

R. BRIEF DESCRIPTION (tick appropriate box)

Descriptive summary: **Half mile small stream through wood. Minor channel. Banks with embankment and some willow along. Different to most of the stream. Some of the bank is very steep. Some of the bank is very steep. Some of the bank is very steep.**
 Major vegetation features: **None**
 Major impact: **None**
 Incidental observations (animals etc): **None**

S. DISEASED ALDERS (tick one box)

None ☒ Present ☐ Extensive ☐ Other disease trees? ☐ Site: _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for forwarding labels supplied

Have you completed your enquiries from this week? (send to FWD for signature!)

Wettable suspension	Powder	Unvegetated point bar	Vegetated point bar

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide transect) (Measure & report length of spot checks if it is representative over distance)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK - looking downstream										
Bank material (fine) <input type="checkbox"/> NO.FG.CO.SL.CP.CL	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input checked="" type="checkbox"/> NO.SI.NC.PS.MJ	NO	NC	NO	NC	NO	ND	NO	NO	NO	NO
Bank feature(s) <input checked="" type="checkbox"/> PS.NO.PT.SC.PI.SP.ST	SC	PS	SC	SC	NO	YP	SC	SC	SC	NO
CHANNEL NOTE: Use sketch for aspects of interest										
Channel substrate (fine) <input checked="" type="checkbox"/> FG.CO.SL.CP.PI.SI.CL.CH	SI	FG	SI	SI	CA	SA	SI	SI	SI	SI
Flow type (fine) <input checked="" type="checkbox"/> ST.CO.NP.SP.PI.PI.SP.PI	SM	NP	SM	NP	NP	SM	NP	NP	NP	NP
Channel modification(s) <input checked="" type="checkbox"/> PS.NO.PT.SP.PI	NO	NO	NO	NC	NO	ND	NO	NO	NO	NO
Channel features <input checked="" type="checkbox"/> NO.NO.NO.PI	NO	NO	NO	NC	NO	NO	NO	NO	NO	NO
RIGHT BANK - looking upstream										
Bank material (fine) <input checked="" type="checkbox"/> FG.CO.SL.CP.CL	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input checked="" type="checkbox"/> NO.SI.NC.PS.MJ	RS	RS	RS	RS	NO	NO	NO	NO	NO	RS
Bank feature(s) <input checked="" type="checkbox"/> NC.NO.PT.SP.PI	NC	NO	NO	PC	NO	SC	SC	NC	NO	NO
F. BANK-TOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from SL, CP, PG, SC, SZ, RL, CH, ML, TL, BU										
LAND USE WITHIN 5M OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOF (structure within 1m) <input checked="" type="checkbox"/> NO/SC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <input checked="" type="checkbox"/> NO/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) <input checked="" type="checkbox"/> NO/SC	S	S	U	U	U	U	U	U	U	U
RIGHT BANK-TOF (structure within 1m) <input checked="" type="checkbox"/> NO/SC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5M OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (to 25% area) or U (sporadic))										
NONE (pic)										
Plant species (list...)										
Liverwort mosses/lichen										
Forrest trees										
Tall herb										
Emergent reeds / sedges / rushes										
Flowering grass (ground)										
Free-flowering										
Ambitious										
Shrubland / broad-leaved										
Submerged flots / float-leaved										
Filamentous algae										

Use red "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or U)

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment

PLANTS - Use 1st 4 letters of genus \rightarrow Pot. = *Potamogeton*
+ species if possible \rightarrow Pot. part = *Potamogeton pectinatus*

SITE NO. 4108 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES. PAGE 5-6

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		RIGHT BANK	
Banking height (m)	1.5	Banking height (m)	1.5
Embedded height (m)		Embedded height (m)	
Banking width (m)		Banking width (m)	
Water width (m)		Water width (m)	
Water depth (m)		Water depth (m)	

If threshold lower than banking break in slope, indicate height (m) width(m)

Bed material at site is: consolidated (temp) ☐ unconsolidated (perm) ☒ volcanic ☐

Location of measurement is: riffle ☐ run or glide ☒ either ☐ pick one box! Slope (IFE only)

NATURAL FEATURES (Use 1 to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____
Pondages = _____ Roadbridges = _____ Other = _____
Is water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ moving ☐ Other? Sluts ☐
weed-cutting ☐ embankment ☐

0 FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL	FLOODPLAIN (from centre)	Other
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Boag <input type="checkbox"/>
Brick/dike channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Curt <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Mouth <input type="checkbox"/>
Leaky debris <input type="checkbox"/>	Fan <input type="checkbox"/>	Flash <input type="checkbox"/>

GRAZING MEADOW

1 CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

2 NOTABLE NURSANCE PLANT SPECIES (tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Sute ☐

3 BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive material: Sinuuous channel; mostly S1 over GP/SA.

Plants of note (see list)

Flora conservation features: Abundant aquatic macrophytes + Meadows.

Other impacts: No trees / hedge on R4B - probably RS in past.

Incidental observations (animals etc):

RECENTLY COMPLETED FORM FOR HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, B320 6BB

4 DISEASED ALDERS (tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? Sute ☐

Have you completed your expenses for this week? (send to FWD for signature!)

Envelopes supplied! Post completed films for processing - labels supplied as above

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Platform category
 Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4112
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: CHILDREY BROOK
 Date: 10.5.1995 Time: 14.00 Surveyor name: JB, TW, PH, LA, K, T, W
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None
 End of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Photographs: general character? No ☐ Yes ☒ (tick one box) with site map
 Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + NUTS/mk 2/decade

D. NUMBER OF RIFLES, POOLS AND POINT BARS (Use 1 if then indicate total number)

Rifles: 1 Unvegetated point bars: 1
 Pools: 1 Vegetated point bars: 1

IF 1-1000 - see page 1001

National Rivers Authority

DATES: Record framed initial date

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP, the E (≥ 33% banklength) of / if present

	L	R	L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (W)	
Coniferous plantation (CP)			Open water (OW)	
Moorland/heath (MH)			Improved/semi-improved grass (IG)	<u>E</u>
Scrub (SC)			Tilled land (TL)	<u>E</u>
Rough pasture (RP)			Suburban/urban development (SU)	<u>✓</u>

I. BANK PROFILES (Use E (≥ 33% banklength) of / if present)

	L	R	L	R
Natural/unmodified	<u>✓</u>		Artificial/unmodified	<u>✓</u>
Vertical/horizontal	<u>✓</u>		Reinforced	<u>✓</u>
Vertical + toe	<u>✓</u>		Reinforced - whole bank	<u>✓</u>
Slope (> 45°)	<u>✓</u>		Reinforced - top only	<u>✓</u>
Grass	<u>✓</u>		Reinforced - toe only	<u>✓</u>
Composite	<u>✓</u>		Artificial two-stage	<u>✓</u>
Use this space to draw profile if different from above, after taking pre-measured bar			Peached	<u>✓</u>
			Embanked	<u>✓</u>
			Set-back embankments	<u>✓</u>

J. EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per feature)

TREES (tick one box per bank)		ASSOCIATED FEATURES (tick one box per feature)	
None	Present E	None	Present E
None	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Isolated/unimpaired	<input checked="" type="checkbox"/>	Overhanging branches	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Scal-contiguous	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (tick one box per feature)

None		Present E		None		Present E		None		Present E	
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	Marsh island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Rune(s) - dunebed, rippled	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Veil(s) - swirling	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Sho(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (J) (tick one box)

Spot check 1 is at: upstream and downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Channel substrate (fine)	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Flow type (fine)	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide distance)

Land use: choose one from IL, CP, MH, SC, IG, OW, TL, SU

LAND USE WITHIN 5m OF BANKTOP (J)

	IL	CP	MH	SC	IG	OW	TL	SU
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (J)	IL	IL	IL	IL	IL	IL	IL	IL

GENERAL CHANNEL VEGETATION TYPES (tick one box with one entry: NO E (≥ 33% area) or / if present)

None (tick)	Present (tick one box)
None	<input checked="" type="checkbox"/>
Emergent broad-leaved	<input type="checkbox"/>
Emergent narrow-leaved	<input type="checkbox"/>
Flowering (ground)	<input type="checkbox"/>
Free-floating	<input type="checkbox"/>
Amphibious	<input type="checkbox"/>
Submerged - broad-leaved	<input type="checkbox"/>
Submerged fine-leaved	<input type="checkbox"/>
Phanerogams	<input type="checkbox"/>

Use 'each-all' column for types not occurring in spot checks as well as overall assessment over 500m (one E or /)

NOTES - Use tick boxes for types not occurring in spot checks as well as overall assessment over 500m (one E or /)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banking width (m)	6.0	RIGHT BANK	Banking width (m)
Banktop height (m)	2.0	Water width (m)	3.0	Banktop height (m)
Embanked height (m)	2.0	Water depth (m)	0.2	Embanked height (m)

If bankline lower than banktop break in slope, indicate: height (m) 1.0 width (m) 4.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only):

M. ARTIFICIAL FEATURES (Use 1 if then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 1 Outfalls = 1 Fords = 1
 In water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ moving ☐ Other? State
 weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL: Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) State
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Lush debris ☐ Fen ☐

P. CROOKED CHANNEL (tick one box)

In 33% or more of the channel crooked with vegetation? No ☐ Yes ☒

Q. NOTABLE NUISANCE PLANT SPECIES (tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompt and key words as appropriate)

Descriptive sentence: Modified channel (RS) in flat agricultural
land. Hawthorn & some hedges along LRP.
 Major conservation features: RS
 Major impacts: RS
 Incidental observations (animals etc): State

S. DISEASED ALGERS (tick one box)

None ☐ Present ☒ Extensive ☐ Other diseased trees ☐ State State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAKEHAM, BH20 4PB

Envelopes supplied! Post completed form for processing. Labels supplied.

you completed your entries from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 2

BACKGROUND MAP BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) 4

Solid geology code _____ Drift geology code _____ Planform category V

Distance from source (km) _____ Significant tributary? _____ Navigation? _____

FIELD SURVEY DETAIL

Reference network site numbers 4124

Mid-section grid reference of network site (if different from designated location): _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: _____ River: 78.74 14 14 AK 76w

Date 23.6.1995 Time: 11.17 Surveyor name CC ML

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with site on!

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes: note 7 meadow

NUMBER OF RIFLES, POOLS AND POINT BARS (Use 1-10)

Rifles 6 Unvegetated point bars ☐

Pools ☐ Vegetated point bars ☐

DATES Record 23.6.1995 Name CC ML Initials CC ML

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 2

PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide strip) (1) (2) (3) (4) (5) (6) (7) (8) (9) (10)

LEFT BANK

Mat. FL, PO, CO, CL, PE, CL, CL, CL, CL, CL, CL EA EA EA EA EA EA EA EA EA EA

Bank modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

CHANNEL

Channel substrate (fine) FL, PO, CO, CL, PE, CL, CL, CL, CL, CL GP GP GP GP GP GP GP GP GP GP

Flow type (fine) FL, PO, CO, CL, PE, CL, CL, CL, CL, CL GP GP GP GP GP GP GP GP GP GP

Channel modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Channel feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

RIGHT BANK

Mat. FL, PO, CO, CL, PE, CL, CL, CL, CL, CL EA EA EA EA EA EA EA EA EA EA

Bank modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

F. 2 BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide strip)

Land use: choose one from FL, CL, PO, CO, CL, PE, CL, CL, CL, CL, CL

LAND USE WITHIN 5m OF BANKTOP (L) SC SC SC SC SC SC SC SC SC SC

LEFT BANK TOP (structure within 1m) SC SC SC SC SC SC SC SC SC SC

LEFT BANK FACE (structure) SC SC SC SC SC SC SC SC SC SC

RIGHT BANK FACE (structure) SC SC SC SC SC SC SC SC SC SC

RIGHT BANK TOP (structure within 1m) SC SC SC SC SC SC SC SC SC SC

LAND USE WITHIN 5m OF BANK TOP (R) SC SC SC SC SC SC SC SC SC SC

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: N (to 33% area) or 4 (previous))

NONE (tick) ☒ Plant grass (tick one)

Emergent broad-leaved beds ☐

Emergent reeds/scrub/other plants ☐

Emergent grasses ☐

Free-floating ☐

Amphibious ☐

Submerged, broad-leaved ☐

Submerged fine-leaved ☐

Filament, algae ☐

Use the 'tick-all' column for types not occurring in spot checks as well as overall assessment over 500m (see E or F) 1

NOTES - Use tick-all column for types not occurring in spot checks as well as overall assessment over 500m (see E or F) 1

PLANT SPECIES - Use tick-all column for types not occurring in spot checks as well as overall assessment over 500m (see E or F) 1

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 4.5 **RIGHT BANK**

Banktop height (m) 1.2 **Water width (m)** 3 **Banktop height (m)** 1.5

Embanked height (m) 0.5 **Water depth (m)** 0.5 **Embanked height (m)** 0.5

If bankline lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site: consolidated (temp) ☐ unconsolidated (fine) ☐ unknown ☐

Location of measurement in: riffle ☒ run or glide ☐ other ☐ (tick one box) Supra-riffle

ARTIFICIAL FEATURES (Use 1-10 to indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Upstream of site ☐

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ mowing ☐ Other? State: _____

wood-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (run) _____

Embanked/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flank ☐

CHOKED CHANNEL (tick one box)

In 33% or more of the channel choked with vegetation? NO ☐ YES ☐

NOTABLE MARSANTH PLANT SPECIES (tick appropriate box(es))

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State: _____

R. BRIEF DESCRIPTION (tick appropriate box(es))

Descriptive sentence: Scheduled site in an area of woodland/scrub, meandering stream with many small rapids and unvegetated side banks. Some deep alleys.

Plants of note: _____

Major conservation features: Bank is generally steep or vertical other vegetation on the river banks. Much trash including washing machines, bottles and cans etc.

Major impacts: _____

Incidental observations (animals etc): Monks, dragonflies

IF 3 channel features are ticked ☒

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WARHAM, BH20 6BB

NOTES - Envelopes supplied! Post completed form for processing. Labels supplied on request.

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 4.5 **RIGHT BANK**

Banktop height (m) 1.2 **Water width (m)** 3 **Banktop height (m)** 1.5

Embanked height (m) 0.5 **Water depth (m)** 0.5 **Embanked height (m)** 0.5

If bankline lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site: consolidated (temp) ☐ unconsolidated (fine) ☐ unknown ☐

Location of measurement in: riffle ☒ run or glide ☐ other ☐ (tick one box) Supra-riffle

ARTIFICIAL FEATURES (Use 1-10 to indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Upstream of site ☐

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ mowing ☐ Other? State: _____

wood-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (run) _____

Embanked/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flank ☐

CHOKED CHANNEL (tick one box)

In 33% or more of the channel choked with vegetation? NO ☐ YES ☐

NOTABLE MARSANTH PLANT SPECIES (tick appropriate box(es))

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State: _____

R. BRIEF DESCRIPTION (tick appropriate box(es))

Descriptive sentence: Scheduled site in an area of woodland/scrub, meandering stream with many small rapids and unvegetated side banks. Some deep alleys.

Plants of note: _____

Major conservation features: Bank is generally steep or vertical other vegetation on the river banks. Much trash including washing machines, bottles and cans etc.

Major impacts: _____

Incidental observations (animals etc): Monks, dragonflies

IF 3 channel features are ticked ☒

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WARHAM, BH20 6BB

NOTES - Envelopes supplied! Post completed form for processing. Labels supplied on request.

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 4125
Mid-section grid reference of network site (if different from designated location):
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: TQ 686914 River: CROUCH
Date: 14/6/1995 Time: 16:00 Surveyor name: J. W. P. H. L. A. K. T. O.
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box) Site type: ☒ Flooded ☐ Natural ☐ (tick one box)
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + NUTS/old DUNNAN

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 10 Unvegetated point bars
Pools 4 Vegetated point bars
1/11 = 1/11 - see survey report

National Rivers Authority

DATES: record framed visited decline

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles ☒ Pools ☒ Unvegetated point bars ☒ Vegetated point bars ☒

E. PHYSICAL ATTRIBUTES (to be assessed across channel width & 1m wide zone) (tick one box)

Spot check 1 is at: upstream ☐ downstream ☒ (tick one box)

Spot check	1	2	3	4	5	6	7	8	9	10	11
LEFT BANK (see note)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (see)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	NO	SC	SB	NO	SC	EC	SC	SC	NO	NO
CHANNEL NOTE	(S1 OVER AP)										
Channel substrate (see)	SP	AP	SP	CP	CP	SP	SP	CP	CP	SP	SP
Flow type (see)	SM	SM	SM	RP	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (see note)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (see)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide distance)

Land use: choose one from SL, CP, NH, SC, RP, VL, OW, OL, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)	EL	EL	BL	TL	BL	TL	TL	TL	FL
LEFT BANK-TOP (structure within 1m)	U	S	S	U	S	U	U	U	S
LEFT BANK FACE (structure)	U	S	S	U	S	U	U	U	S
RIGHT BANK FACE (structure)	U	S	U	U	U	U	U	U	S
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	U	U	U	U	U	U	U	U	U

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (E 33% area) or F (F 33% area))

NONE (tick)	Montgomery (F 33%)	...
Liverwort		
Algae		
Emergent reeds		
Emergent sedges		
Emergent rushes		
Emergent grasses		
Emergent forbs		
Emergent ferns		
Emergent shrubs		
Emergent trees		
Emergent vines		
Emergent mosses		
Emergent lichens		
Emergent fungi		
Emergent bacteria		
Emergent archaea		
Emergent protists		
Emergent invertebrates		
Emergent vertebrates		
Emergent plants		
Emergent animals		
Emergent fungi		
Emergent bacteria		
Emergent archaea		
Emergent protists		
Emergent invertebrates		
Emergent vertebrates		
Emergent plants		
Emergent animals		

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

1/11 = 1/11 - see survey report

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (E 33% banklength) or F (F 33% banklength))

Land use	L	R	Land use	L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (E 33% banklength) or F (F 33% banklength))

Bank profile	L	R	Bank profile	L	R
Natural/unmodified			Artificial/unmodified		
Vertical/steep			Reinforced		
Vertical + toe			Reinforced + whole bank		
Step (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile of different bank above, after filling predominant box			Perched		
			Embanked		
			Feedback embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

Trees	Left	Right	Associated features	Left	Right
None			Staking of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Falling trees		
Continuous			Course woody debris		

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Channel features	None	Present	Channel features	None	Present
Waterfall(s) - free-fall			Marginal freshwater - slack		
Cascade(s) - chute			Exposed bedrock		
Step-pool sequence			Exposed boulders		
Rapids(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Flow(s) - disturbed, rippled			Marine island(s)		
Bank(s) - upwellings			Unvegetated side bars		
Grades(s) - smooth, no eddies			Vegetated side bars		

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

Channel dimension	Left bank	Right bank
Banktop width (m)	6.0	
Banktop height (m)	1.3	
Water width (m)	4.0	
Banktop height (m)		1.5
Water depth (m)	0.02	
Banktop height (m)		0.6
Banktop height (m)		4.0

M. ARTIFICIAL FEATURES (Use 1/11 then indicate total number: tick 'none' where appropriate)

None ☐ Number of Culverts = ☐ Weirs = ☐ Roadbridges = ☐ Part of site ☐ Other = ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

digging ☐ moving ☐ Other? ☐

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box)

Channel: Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor) ☐

Artificial open water ☐ Natural open water ☐

Debris dams ☐ Water meadow ☐

Leafy debris ☐ Fern ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/11 then indicate total number: tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? ☐

R. BRIEF DESCRIPTION (Use proper and key words as appropriate)

Descriptive notes: Deep tree-lined channel, esp substrate. Plants of note: (see list) low water & many side-bars.

Major conservation features: Trees, low water, many side-bars.

Major impacts: Lots of trash approx 1/4 way down survey road.

Incidental observations (animals etc): RS R113 in past.

IF 1/11 = 1/11 - see survey report

S. DISEASED ALGAE (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees ☐

SEND COMPLETED FORM TO: JUDITH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRENHAM, ENGLAND

Envelopes supplied! Post completed form for posting. Labels supplied.

Have you completed your copies from this week? (and 6 PND for sign-off!)

Envelopes supplied! Post completed form for posting. Labels supplied.

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Platform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4126

Mid-section grid reference of network site if different from designated location:
Tidal stretch is moved upstream = TR 73037

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: Q 774941 River: C20HC14

Date 13/6/1995 Time: 12:00 Surveyor name: CC MIV HO

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) See N on 1

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 2 Unvegetated point bars

Pools 1 Vegetated point bars

IFE = 1-11 = 5-11 = 1-11

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel width & 1m wide zone) (tick one box per attribute)

Spot check 1 is at upstream end of site (tick one box)

	1	2	3	4	5	6	7	8	9	10	11
LEFT BANK (looking down stream)											
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	VS	SC	NO	SC	SC	SC	NO	NO	NO	NO	NO
CHANNEL NOTE (Use 1-11 then indicate total number)											
Channel substrate (fine)	SP	GP	SI	EP	GP	GP	GP	GP	GP	GP	GP
Flow type (fine)	U1	SM	NP	SM	RP	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	TR	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (looking down stream)											
Bank material (fine)	EA	EA	CC	EA	EA	EA	GS	RR	GS	EA	EA
Bank modification(s)	NO	NO	RI	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide band)											
Land use: choose one from EL, CP, MH, SC, RP, RL, OW, IG, IL, IU											
LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m)	U	S	S	S	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	S	U	U	S	S	U	S	S	S	S	S
RIGHT BANK FACE (structure)	U	U	S	S	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m)	U	U	S	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
	1	2	3	4	5	6	7	8	9	10	11
NONE (tick)											
Emergent broad-leaved											
Emergent narrow-leaved											
Emergent reed/scrub											
Emergent sedge											
Emergent grass											
Emergent herb											
Emergent shrub											
Emergent tree											
Emergent alga											
Emergent moss											
Emergent lichen											
Emergent fungus											
Emergent insect											
Emergent bird											
Emergent mammal											
Emergent reptile											
Emergent amphibian											
Emergent fish											
Emergent invertebrate											
Emergent plant											
Emergent animal											
Emergent microbe											
Emergent macrobe											
Emergent organism											
Emergent life											
Emergent matter											
Emergent energy											
Emergent information											
Emergent system											
Emergent universe											
Emergent everything											

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (to 3% banklength) or V if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	E
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)	E	E

I. BANK PROFILES (Use E (to 3% banklength) or V if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial toe-rage		
Use sketch space to draw profile of difference from above, after taking predetermined base			Peached		
			Embanked		
			Side-bank embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	Notes
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present	Notes
Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	
Exposed boulder roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - midwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rune(s) - disturbed, silted	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

ASSOCIATED CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes
Marginal freshwater - silt	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Native island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Banktop width (m)	Banktop height (m)	Water width (m)	Water depth (m)	Banktop height (m)	Banktop width (m)
LEFT BANK	5.5	1.5	3.5	0.25	1.5	5.5
RIGHT BANK						

If banktop lower than banktop break in slope, indicate height (m) 0.75 width (m) 3.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-11 to indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 2 Weirs = 2 Outfalls = 2 Fords = 2

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Over the whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ weed-cutting ☐ moving ☐ Other 7 State

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL: Waterfalls > 5m high ☐ Artificial open water ☐ Beg ☐ Other (tick)

Practical/ride channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flank ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11 to indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use phrases and key words as appropriate)

Descriptive sentence: GP substrate, straight channel - but mostly underpinned

Plants of note (see list): No trees along channel.

Major conservation features: Good variety of aquatic macrophytes.

Major impacts: Regular dredging to remove channel macrophytes.

Incidental observations (animals etc): Kingfishers - 1 observed over deepened !!

IFE (tick one box): 1

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for posting - labels supplied

DKES. heard

PLANTS - Use 1/4 lb of beans \rightarrow Pota, Pota negation
+ species if possible eg Pota part & Pota negation partitive

24922-72

References

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION:

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source (km) _____ Significant tributary? ☒ No Navigation? ☒ No

B. FIELD SURVEY DETAILS:

Reference network site number: 4133

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: ST 28 7862 River: GBOW

Date: 5/6/1995 Time: 17:20 Surveyor name: GBOW

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM: (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + river/valley meanders

D. NUMBER OF RIFFLES, POOLS AND POINT BARS: (Use 1-10, then indicate total number)

Riffles: 4 Unvegetated point bars: 2

Pools: 1 Vegetated point bars: 0

IFE = 1 - see notes on page 2

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles: 4 Pools: 1 Unvegetated point bars: 2 Vegetated point bars: 0

E. PHYSICAL ATTRIBUTES: (to be assessed across channel within a 10m wide section)

Spot check 1 to 10: (tick one box per spot)

Channel substrate (fine) FA FA FA FA FA FA FA FA FA FA

Channel substrate (medium) NO NO NO NO NO NO NO NO NO NO

Channel substrate (coarse) NO NO NO NO NO NO NO NO NO NO

Channel width (m) 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0

Channel depth (m) 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30

Channel velocity (m/s) 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30

Channel bank (left) FA FA FA FA FA FA FA FA FA FA

Channel bank (right) FA FA FA FA FA FA FA FA FA FA

F. BANK TOP LAND USE AND VEGETATION STRUCTURE: (to be assessed once a 10m wide section)

Land use: (tick one box per 10m section)

Land use within 5m of bank top (left) FA FA FA FA FA FA FA FA FA FA

Land use within 5m of bank top (right) FA FA FA FA FA FA FA FA FA FA

G. CHANNEL VEGETATION TYPES: (tick one box per 10m section)

None ☐ Montane ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Use and "catch-all" column for types not occurring in spot checks as well as overall assessment over 100m (use E or F)

Notes: hand named watershed habitat checks

Notes: Use and "catch-all" column for types not occurring in spot checks as well as overall assessment over 100m (use E or F)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP: (tick one box per 50m section)

Land use: (tick one box per 50m section)

Land use within 50m of banktop (left) E E E E E E E E E E

Land use within 50m of banktop (right) E E E E E E E E E E

I. BANK PROFILES: (tick one box per 50m section)

Bank profile: (tick one box per 50m section)

Bank profile within 50m of banktop (left) E E E E E E E E E E

Bank profile within 50m of banktop (right) E E E E E E E E E E

J. EXTENT OF TREES AND ASSOCIATED FEATURES: (tick one box per feature)

Trees: (tick one box per feature)

Associated features: (tick one box per feature)

Extent of trees and associated features (left) E E E E E E E E E E

Extent of trees and associated features (right) E E E E E E E E E E

K. EXTENT OF CHANNEL FEATURES: (tick one box per feature)

Channel features: (tick one box per feature)

Extent of channel features (left) E E E E E E E E E E

Extent of channel features (right) E E E E E E E E E E

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS: (to be measured at one site in a straight uniform section, preferably across a riffle)

Channel dimensions: (tick one box per 10m section)

Channel dimensions within 10m of banktop (left) 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0

Channel dimensions within 10m of banktop (right) 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0

M. ARTIFICIAL FEATURES: (tick one box per feature)

Artificial features: (tick one box per feature)

Artificial features within 10m of banktop (left) E E E E E E E E E E

Artificial features within 10m of banktop (right) E E E E E E E E E E

N. EVIDENCE OF RECENT MANAGEMENT: (tick one box per feature)

Recent management: (tick one box per feature)

Recent management within 10m of banktop (left) E E E E E E E E E E

Recent management within 10m of banktop (right) E E E E E E E E E E

O. FEATURES OF SPECIAL INTEREST: (tick one box per feature)

Features of special interest: (tick one box per feature)

Features of special interest within 10m of banktop (left) E E E E E E E E E E

Features of special interest within 10m of banktop (right) E E E E E E E E E E

P. CHOKED CHANNEL: (tick one box)

Choked channel: (tick one box)

Choked channel within 10m of banktop (left) E E E E E E E E E E

Choked channel within 10m of banktop (right) E E E E E E E E E E

Q. NOTABLE NUISANCE PLANT SPECIES: (tick one box per species)

Notable nuisance plant species: (tick one box per species)

Notable nuisance plant species within 10m of banktop (left) E E E E E E E E E E

Notable nuisance plant species within 10m of banktop (right) E E E E E E E E E E

R. BRIEF DESCRIPTION: (Use prompt and key words as appropriate)

Brief description: (tick one box per feature)

Brief description within 10m of banktop (left) E E E E E E E E E E

Brief description within 10m of banktop (right) E E E E E E E E E E

Have you completed your enquiries from this week? (send to PWS for signature)

Have you completed your enquiries from this week? (send to PWS for signature)

NRA RIVER HABITAT SURVEY 1995: 176 A-A-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION:

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? 0 Navigation ? 0

B FIELD SURVEY DETAILS:

Reference network site number: 4135
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: 57490879 River: NEVERN BROOK
Date 5/6/1995 Time: 13:00 Surveyor name: G.C. MILES
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☐ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM: (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes/mk diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS: (Use 1-11 then indicate total number)

Riffles 0 Unvegetated point bars 0
Pools 0 Vegetated point bars 0
IFE - P-A - See page 100/101

National Rivers Authority

DATES: found planned validated follow-up

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

A BACKGROUND MAP-BASED INFORMATION:

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? NO Navigation ? NO

B FIELD SURVEY DETAILS:

Reference network site number: 4135
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: ST006722 River: THAW
Date 6/6/1995 Time: 14:20 Surveyor name: G.C. MILES
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Photographs: general character? No ☐ Yes ☐ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM: (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☒ asymmetrical floodplain
☐ concave/bowl + notes/mk diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS: (Use 1-11 then indicate total number)

Riffles 4 Unvegetated point bars 0
Pools 0 Vegetated point bars 0
IFE - P-A - See page 100/101

National Rivers Authority

DATES: found planned validated follow-up

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

A BACKGROUND MAP-BASED INFORMATION:

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? NO Navigation ? NO

B FIELD SURVEY DETAILS:

Reference network site number: 4135
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: ST006722 River: THAW
Date 6/6/1995 Time: 14:20 Surveyor name: G.C. MILES
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Photographs: general character? No ☐ Yes ☐ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM: (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☒ asymmetrical floodplain
☐ concave/bowl + notes/mk diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS: (Use 1-11 then indicate total number)

Riffles 4 Unvegetated point bars 0
Pools 0 Vegetated point bars 0
IFE - P-A - See page 100/101

National Rivers Authority

DATES: found planned validated follow-up

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

A BACKGROUND MAP-BASED INFORMATION:

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? NO Navigation ? NO

B FIELD SURVEY DETAILS:

Reference network site number: 4135
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: ST006722 River: THAW
Date 6/6/1995 Time: 14:20 Surveyor name: G.C. MILES
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Photographs: general character? No ☐ Yes ☐ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM: (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☒ asymmetrical floodplain
☐ concave/bowl + notes/mk diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS: (Use 1-11 then indicate total number)

Riffles 4 Unvegetated point bars 0
Pools 0 Vegetated point bars 0
IFE - P-A - See page 100/101

National Rivers Authority

DATES: found planned validated follow-up

Have you completed your responses from this week? (send to PWD for signature!)

DATES, Record 1944-1946	prepared	initiated	date closed
----------------------------	----------	-----------	----------------

PLANTS - Use not 4 letters of names \rightarrow Pota, Potomogon
+ species if possible \rightarrow Pota part & Potomogon partation

Have you completed your exercises for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

I. CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK		RIGHT BANK	
Banking width (m)	4.5	Banking height (m)	1.0
Banking height (m)	1.5	Water width (m)	0.1
Embedded height (m)	1.5	Water depth (m)	0.5
If trashline lower than banking break in slope, indicate height (m)		width(m) 3.0	

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only) _____

M. ARTIFICIAL FEATURES (Use ☒ to indicate just number, not "none" where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Feeds = _____
 Roadbridges = _____ Part of site ☐ ☐ 20 feet below site ☐

Is water level controlled by weir/dam downstream? No ☒ Yes ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ mowing ☐ Other? State _____
 weed-cutting ☐ encroachment ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Wetlands > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Brick/dike channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Bog <input type="checkbox"/>
	Carr <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flats <input type="checkbox"/>

P. CHOKED CHANNEL (Tick one box)

Is 35% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (Use ☒ or ☐ to indicate just number, not "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate) (Tick one box)

Descriptive statement: Agricultural ditch, RL at top end. RS banks, but
 Plants of note (see list) some tree growth also. Silt substr. etc.
 Major encroachment features:
 Major impacts: (RS banks)
 Incidental observations (animals etc): (Barn owl in area)

IFE channel number: 4

S. DISEASED ALDERS (Tick one box)

None ☒ Pruned ☐ Extensive ☐ Other diseased insect State _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BS

Envelopes supplied! Post collected films for processing - labels supplied as above;

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 4151
Mid-section grid reference of network site if different from designated location: (R. PINN)
COMPLETE THE FOLLOWING FOR ALL SITES UN-WEA-ED TRS 07
Grid Reference: TQ 059811 River: THAMES.
Date 21.6.1995 Time: 16:00 Surveyor name: TR. TH. PH. I. AK. 740
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None
Bod of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Special features: None (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/extra diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 5 Unvegetated point bars
Pools 1 Vegetated point bars
(If E-m-d - see 100m sweep-up)

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 1 Pools 1 Unvegetated point bars 1 Vegetated point bars 1

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box per column)

Spot check 1 in 100m sweep-up and 100m sweep-up (tick one box per column)

LIST BANK (tick one box per column)

Bank material (fine) EA EA EA EA EA EA EA EA EA EA
Bank modification(s) NO NO NO NO NO NO NO NO NO NO
Bank feature(s) NO NO SC SC NO NO SC SC NO NO

CHANNEL RATE (tick one box per column)

Channel substrate (fine) GP GP GP GP GP GP GP GP GP GP
Flow type (fast) RP RP RP RP RP RP RP RP RP RP
Channel modification(s) NO NO NO NO NO NO NO NO NO NO
Channel feature(s) TR TR TR TR TR TR TR TR TR TR

RIGHT BANK (tick one box per column)

Bank material (fine) EA EA EA EA EA EA EA EA EA EA
Bank modification(s) NO NO NO NO NO NO NO NO NO NO
Bank feature(s) NO NO NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: choose one from 1L, 1P, 1H, 1C, 1F, 1W, 1G, 1M, 1S, 1V

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) EA EA EA EA EA EA EA EA EA EA
LEFT BANK FACE (structure) EA EA EA EA EA EA EA EA EA EA
RIGHT BANK FACE (structure) EA EA EA EA EA EA EA EA EA EA
RIGHT BANK-TOP (structure within 1m) EA EA EA EA EA EA EA EA EA EA
LAND USE WITHIN 5m OF BANK TOP (R) EA EA EA EA EA EA EA EA EA EA

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry and E (to 33% area) or F (greater))

NONE (tick one box)

Emergent reeds ☒
Emergent sedges ☒
Emergent grasses ☒
Emergent forbs ☒
Emergent shrubs ☒
Emergent trees ☒
Free-floating ☐
Amphibious ☐
Submerged ☐
Submerged flots ☐
Filamentous algae ☐

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (see E or F)

Notes: Use 1L in 100m sweep-up of 100m sweep-up + species if possible eg. Phragmites

Repeat 1

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO 4151

H. LAND USE WITHIN 10m OF BANKTOP (Use E (to 33% banktop) or F (greater))

I. BANK PROFILES (Use E (to 33% banktop) or F (greater))

J. EXTENT OF TREES AND ASSOCIATED FEATURES

K. EXTENT OF CHANNEL FEATURES (tick one box per feature)

Waterside(s) - freefall ☒
Waterside(s) - chute ☒
Step/pool sequence ☒
Rapid(s) - white-water ☒
Riffle-pool sequence ☒
Run(s) - disturbed, rippled ☒
Boil(s) - swirling ☒
Glide(s) - smooth, no eddies ☒

Marginal dead-water - slack ☒
Exposed bedrock ☒
Exposed boulders ☒
Unvegetated mid-channel bars ☒
Vegetated mid-channel bars ☒
Marsh island(s) ☒
Unvegetated side bars ☒
Vegetated side bars ☒

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK: Backstop width (m) 6.0 RIGHT BANK: Backstop width (m) 1.0
Backstop height (m) 1.0 Water width (m) 4.0 Backstop height (m) 1.0
Embedded height (m) 0.1 Water depth (m) 0.1 Embedded height (m) 0.1

If trawlless level than backstop break in slope, indicate height (m) 0.1 width (m) 0.1

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
Location of measurement: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (if E only)

M. ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick "none" where appropriate)

None ☐ Number of Obstructions = 1 Weirs = 1 Outfalls = 1 Fences = 1
Footbridges = 1 Part of the ☐ Part of the ☐ Part of the ☐
Is water level controlled by weir/dam/obstruction? No ☒ Yes ☐ Part of the ☐ Part of the ☐ Part of the ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

digging ☐ moving ☐ Other 7 Suite 1
weed-cutting ☐ enrichment ☐

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL: Waterside(s) > 5m high ☐ Artificial open water ☐ Big ☐ Other (state) 1
Embedded/side channels ☐ Natural open water ☐ Cur ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☒ Fen ☐ Floch ☐

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (tick one box)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☒ Other 7 Suite 1

R. BRIEF DESCRIPTION (Use prompts and try words as appropriate)

Descriptive sentence: AP channel, mostly smooth flow.
Plants of note (tick 1-10): Swamp reeds in open ground (rough) in urban setting.
Major conservation features: None
Major impacts: Lots of trash in channel - some RS bark(s).
Incidental observations (animals etc): Kingfisher seen! + Owlfall.

IF E-m-d - see 100m sweep-up

S. DISEASED ALDERS (tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees ☐ Suite 1

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing - labels supplied

Have you completed your enquiries from this week? (send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Plankton category
Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 4152
Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: TB, TW, FH, LA, K, 76m
Date 20.1.1995 Time: 12.10 Surveyor name: G.E. MILES
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box) Site is on: ☒ bank ☐ channel (tick as appropriate)
Site surveyed from: left bank ☐ right bank ☐ channel ☒

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ symmetrical floodplain + notes on channel
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles ☐ Unvegetated point bars ☒
Pools ☒ Vegetated point bars ☐
IFE - (M) = See 100m Sweep-Up

National Rivers Authority

Notes: Record ground water level below channel

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles **Pools** **Unvegetated point bars** **Vegetated point bars**

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream and downstream (tick one box)

LEFT BANK (tick one box)

Met. ☒ BE, SO, CO, CL, LA, FE, CL, CC, ST, WY, GL, BR, AR, SW
Bank modification(s) ☒ NO, AR, FC, BR, EN
Bank feature(s) ☒ NO, AR, FC, BR, EN
Channel substrate (one) ☒ WY, BE, SO, CO, CL, LA, FE, CL, CC, ST, WY, GL, BR, AR, SW
Flow type (one) ☒ ST, CL, LA, WY, CO, ST, AR, WY, GL, BR, AR, SW
Channel modification(s) ☒ NO, AR, FC, BR, EN
Channel feature(s) ☒ NO, AR, FC, BR, EN

RIGHT BANK (tick one box)

Met. ☒ BE, SO, CO, CL, LA, FE, CL, CC, ST, WY, GL, BR, AR, SW
Bank modification(s) ☒ NO, AR, FC, BR, EN
Bank feature(s) ☒ NO, AR, FC, BR, EN

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide point bar)

Land use: choose one from BE, CO, AR, SC, AP, WL, OW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) ☒ BAUSIC
LEFT BANK FACE (structure) ☒ BAUSIC
RIGHT BANK-TOP (structure within 1m) ☒ BAUSIC
RIGHT BANK FACE (structure) ☒ BAUSIC
LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (tick relevant boxes with one entry: use E (in 33% area) or F (Green))

NONE (tick) Plant species (tick one)

Emergent broad-leaved ☐
Emergent narrow-leaved ☐
Floating-leaved (floating) ☐
Free-floating ☐
Amphibious ☐
Submerged - broad-leaved ☐
Submerged - narrow-leaved ☐
Filament, algae ☐

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

Notes: Use 100m Sweep-Up for details of channel + species of plants + notes on vegetation

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F (if present))

L **R** **L** **R**

Broadleaved woodland (BL) Wetland (eg bog, marsh, fen) (WL)
Coniferous plantation (CP) Open water (OW)
Moorland/heath (MH) Improved/semi-improved grass (IG)
Scrub (SC) Tilled land (TL)
Rough pasture (RP) Suburban/urban development (SU)

I. BANK PROFILES (Use E (in 33% banklength) or F (if present))

Natural/Unmodified **L** **R** **Artificial/Modified** **L** **R**

Vertical/undercut ☒ Resectioned ☐
Vertical + toe ☒ Reinforced - whole bank ☐
Steep (> 45°) ☒ Reinforced - top only ☐
Gentle ☒ Reinforced - toe only ☐
Composite ☒ Artificial two-stage ☐
Use this space to draw profile if different from above, after using predominant bank

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☒ Left ☒ Right ☒ WYFE
Isolated/scattered ☒
Regularly spaced, single ☒
Occasional clumps ☒
Semi-continuous ☒
Continuous ☒

ASSOCIATED FEATURES (Tick one box per feature)

None ☒ Present ☒ No tree ☒
Shading of channel ☒
Overhanging boughs ☒
Exposed bankside roots ☒
Underwater tree roots ☒
Fallen trees ☒
Coarse woody debris ☒

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None ☒ Present ☒ No tree ☒

Waterfall(s) - free-fall ☒
Cascades(s) - chute ☒
Step-pool sequence ☒
Rapid(s) - undercurrent ☒
Riffle-pool sequence ☒
River(s) - disturbed, rippled ☒
Belt(s) - upwellings ☒
Glides(s) - smooth, no eddies ☒

Marginal deadwater - slack ☒
Exposed bedrock ☒
Exposed boulders ☒
Unvegetated mid-channel bars ☒
Vegetated mid-channel bars ☒
Mature island(s) ☒
Unvegetated side bars ☒
Vegetated side bars ☒

Have you completed your queries from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK **RIGHT BANK**

Banktop width (m) 1.0 Banktop height (m) 1.15
Banktop height (m) 1.15 Water width (m) 1.0 Banktop height (m) 1.15
Banktop height (m) 1.15 Water depth (m) 0.75 Banktop height (m) 1.15
If bankline lower than banktop break in slope, indicate height (m) width (m)

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐
Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 0 Weirs = 1 Outfalls = 3 Fords = 0
Footbridges = 1 Roadbridges = 1 Other = 0
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State: ☐
wood-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL **FLOODPLAIN** (50m corridor)

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) ☐
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flank ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11 indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: ☐

R. BRIEF DESCRIPTION (Use prompt and key words at appropriate)

Descriptive sentence: THE CHANNEL Q AND R ARE CONCENTRIC THIS RIVER
Plants of note: BUD GRASS is in the river bed
Major obstruction feature: What do you expect the river to do? It is expected to go
Major impact: And, except for the river, it is expected to go
Incidental observations (animals etc):
None ☒ See notes on page 3

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: ☐

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, B102 6BB

Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source(km)	Significant tributary ?	Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4154

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: JZ DH 1H CC ML

Date 27/6/1995 Time: 15:57 Surveyor name TR, TN, PH, LG, AK, TGO
(in full)








Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☒ Yes ☐ (tick one box) with Site 12 on 1
(Essential - rather than repeat if failure!)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM: (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl	+ NOTES/extra diagram	

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles <u>8</u>	Unvegetated point bars <u>0</u>
Pools <u>0</u>	Vegetated point bars <u>0</u>

IFE-M-1 - See cover sheet

DATE. Recd	from	initials	date checked
1941.12.22			

Riffles []	Pools	Unvegetated point bars	Vegetated point bars								
ECHO - PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone) (S) (M) (F) (A) (L) (P)											
Spot check 1 is at: upstream and downstream	<input type="checkbox"/> side (left one)	1	2	3	4	5	6	7	8	9	10
LEFT BANKS (within 5m of bank top)											
Main:	BL, CL, GL, SL, PL, CL, PL, SP, GP, BL, BL, SP	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC
Bank modification(s)	<input checked="" type="checkbox"/> NO, SL, PL, SP, GP, BL	RE	RE	RE	RE	RE	RE	RE	RE	RE	RE
Bank feature(s)	<input checked="" type="checkbox"/> NL, ND, EC, JC, PS, VP, SR, VS	NO	ND	ND	AD	NO	NO	NO	NO	NO	NO
CHANNEL NOTE []											
Channel substrate (fine)	SP, SL, NO, CO, GP, SL, EL, AL	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow types (one)	IT, CL, B, V, W, CP, RP, SP, SL, SP, NO	NP	NP	NP	NP	SM	SM	SM	SM	SM	SM
Channel modification(s)	<input checked="" type="checkbox"/> RL, NO, AL, SL, AD, B	RS	RS	RS	B	RS	RS	RS	RS	RS	RS
Channel feature(s)	<input checked="" type="checkbox"/> NO, AD, AL, SP, VP, TR	TR	NO	TR	NO	NO	TR	NO	NO	NO	AD
RIGHT BANKS (within 5m of bank top)											
Main:	BL, CL, GL, SL, PL, CL, PL, SP, GP, BL, BL, SP	CC	CC	CC	CC	CC	CC	EA	EA	EA	EA
Bank modification(s)	<input checked="" type="checkbox"/> NO, SL, PL, SP, GP, BL	RE	RE	RE	RE	RE	PI	NO	NO	NO	NO
Bank feature(s)	<input checked="" type="checkbox"/> NL, ND, EC, JC, PS, VP, SR, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F - BANKLAND LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)											
Land uses: choose one from M, CP, MH, SC, RZ, VE, OV, IG, TL, SU											
LAND USE WITHIN 5m OF BANKTOP (L)											
LEFT BANK-TOP (structure within 3m)	BAUC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure)	BAUC	B	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE (structure)	BAUC	B	B	B	B	B	C	B	B	B	B
RIGHT BANK-TOP (structure within 3m)	BAUC	S	S	S	B	B	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)											
SU SU SU SU SU SU SU SU SU SU											
G - CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E if > 33% area) or ✓ (present) or ✗ (absent)											
NONE (pid) / Plant green (int r, m)											
Liverworts/mosses/turbids	Md	.	.	.	.	.	.	.	.	.	.
Emergent broad-leaved herbs	.	.	.	.	.	.	.	.	.	.	.
Emergent reeds/rushes/turbids	SL, PL, SP, GP, BL	.	.	.	.	.	.	.	.	.	.
Flowering-leaved (ground)	PL, SP, GP, BL	.	.	.	.	.	.	.	.	.	.
Free-floating	SL, PL	✓	✓	✓	✓	✓	E	✓	✓	✓	✓
Amphibious	SL, PL, SP, GP, BL	.	.	.	.	.	.	.	.	.	.
Submerged - broad-leaved	.	.	.	.	.	.	.	.	.	.	.
Submerged fine-linear-leaved	CL, PL, SP, GP, BL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filamentous algae	SL, PL, SP, GP, BL	✓	✓	✓	✓	✓	E	✓	✓	✓	✓

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or ✓)

PLANTS - Use 1st 4 letters of genus as Pota & Pota negation
+ species if possible as Pota pest & Pota negation pestimate

11) LAND USE WITHIN 50m of BANKTOP Use $\geq 33\%$ banklength or ≥ 1 if present

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

BANK PROFILES: Use $\geq 33\%$ banklength or ≥ 1 if present

	L	R	Artificial/modified	L	R
Natural/unmodified			Recessed		
Vertical + toe			Reinforced - whole bank		<input checked="" type="checkbox"/>
Steep (> 45°)		<input checked="" type="checkbox"/>	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile of different bank above, after setting predetermined box			Poached		
			Embanked		
			Sei-bank embankments		

12) EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	NATIVE	E $\geq 33\%$	ASSOCIATED FEATURES (Tick one box per feature)			NATIVE
					None	Present	E	
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

13) EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	None	Present	E	NATIVE
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater - silt	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Srip/pool sequences	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rapids(s) - whitewater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequences	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rune(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ball(s) - upwellings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Have you completed your expenses from this week? (send to FHD for signature!)

CHANNEL DISEASES TO BE MEASURED AT ONE SITE ON A SLIGHTLY UNIFORM SECTION, PREFERABLY ACROSS A RIGGLE

LEFT BANK		Backstop width (m)	23	RIGHT BANK	
Backstop height (m)	0.5	Water width (m)	23	Backstop height (m)	70
Embanked height (m)	X	Water depth (m)	6 WIDE SW	Embanked height (m)	X

If trailline lower than backstop break is slope, indicates height (m) X width(m) X

Bed material at site is: ☐ consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: ☐ riffle ☐ run or glide ☐ other ☒ pick one box! Slope (FR 95%)

MATERIAL ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

NONE ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 0 Roadbridges = 0 Other = 1 (small bridge)
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Yes ☐ Most/whole of site ☐

EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State
weed-cutting ☐ management ☐

FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (80m corridor)		
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state)
Embanked/dike channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Curt <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Wet meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Loose debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	

CROOKED CHANNEL (Tick one box)

Is 25% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE NUISANCE PLANT SPECIES (Use FR 100)

Giant Hogweed ☐ Hibernian Balsam ☐ Japanese Knotweed ☐ Other ? State

BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: LARGE RIVER WCD BY EAMS. THERE ARE MARSHY
RAVINE AT HIGH IN CHINA 5 KM CHANNEL ON RIGHT
SIDE OF BANK ARE 100M LONG FOR THE VENTURE A
RIVERBED ON THE LEFT IS A TOWN PATH
THEN EXTENSIVE SAND
OTHER OBSERVATIONS (animals etc):
RAT
E3 - all sample taken B filled
DISEASED ALGAE (tick one box):
None ☒ Freshwater ☐ Estuarine ☐ Other disease tract? State

END COMPLETED FOR MRS BUCHANAN, LIFE, RIVER LABORATORY, EAST STORE, WAREHAM, BH20 4BB

Envelope supplied! Post completed form for processing. Labels supplied after.

Envelopes supplied! Post completed films for processing - labels supplied as requested.

Envelopes supplied! Post completed files for processing - labels supplied + stamped

NRA RIVER HABITAT SURVEY 1995: 1st & 2nd A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 4156
Mid-section grid reference of network site (if different from designated location):
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: River: ROM
Date 14/6/1995 Time: 11:30 Surveyor name: TR, TW, FH, LG, AK, TD
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
- ☐ Essential photographs: general character? No ☐ Yes ☒ (tick one box) 50m x 14m
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes on drainage

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/4 then indicate total number)

Riffles 5 Unvegetated point bars
Pools 1 Vegetated point bars
(1FE = 1m x 5m x 10m x 10m)

National Rivers Authority

DATES: record 14/6/95, 15/6/95, 16/6/95, 17/6/95, 18/6/95, 19/6/95, 20/6/95, 21/6/95, 22/6/95, 23/6/95, 24/6/95, 25/6/95, 26/6/95, 27/6/95, 28/6/95, 29/6/95, 30/6/95, 1/7/95, 2/7/95, 3/7/95, 4/7/95, 5/7/95, 6/7/95, 7/7/95, 8/7/95, 9/7/95, 10/7/95, 11/7/95, 12/7/95, 13/7/95, 14/7/95, 15/7/95, 16/7/95, 17/7/95, 18/7/95, 19/7/95, 20/7/95, 21/7/95, 22/7/95, 23/7/95, 24/7/95, 25/7/95, 26/7/95, 27/7/95, 28/7/95, 29/7/95, 30/7/95, 31/7/95, 1/8/95, 2/8/95, 3/8/95, 4/8/95, 5/8/95, 6/8/95, 7/8/95, 8/8/95, 9/8/95, 10/8/95, 11/8/95, 12/8/95, 13/8/95, 14/8/95, 15/8/95, 16/8/95, 17/8/95, 18/8/95, 19/8/95, 20/8/95, 21/8/95, 22/8/95, 23/8/95, 24/8/95, 25/8/95, 26/8/95, 27/8/95, 28/8/95, 29/8/95, 30/8/95, 31/8/95, 1/9/95, 2/9/95, 3/9/95, 4/9/95, 5/9/95, 6/9/95, 7/9/95, 8/9/95, 9/9/95, 10/9/95, 11/9/95, 12/9/95, 13/9/95, 14/9/95, 15/9/95, 16/9/95, 17/9/95, 18/9/95, 19/9/95, 20/9/95, 21/9/95, 22/9/95, 23/9/95, 24/9/95, 25/9/95, 26/9/95, 27/9/95, 28/9/95, 29/9/95, 30/9/95, 1/10/95, 2/10/95, 3/10/95, 4/10/95, 5/10/95, 6/10/95, 7/10/95, 8/10/95, 9/10/95, 10/10/95, 11/10/95, 12/10/95, 13/10/95, 14/10/95, 15/10/95, 16/10/95, 17/10/95, 18/10/95, 19/10/95, 20/10/95, 21/10/95, 22/10/95, 23/10/95, 24/10/95, 25/10/95, 26/10/95, 27/10/95, 28/10/95, 29/10/95, 30/10/95, 31/10/95, 1/11/95, 2/11/95, 3/11/95, 4/11/95, 5/11/95, 6/11/95, 7/11/95, 8/11/95, 9/11/95, 10/11/95, 11/11/95, 12/11/95, 13/11/95, 14/11/95, 15/11/95, 16/11/95, 17/11/95, 18/11/95, 19/11/95, 20/11/95, 21/11/95, 22/11/95, 23/11/95, 24/11/95, 25/11/95, 26/11/95, 27/11/95, 28/11/95, 29/11/95, 30/11/95, 1/12/95, 2/12/95, 3/12/95, 4/12/95, 5/12/95, 6/12/95, 7/12/95, 8/12/95, 9/12/95, 10/12/95, 11/12/95, 12/12/95, 13/12/95, 14/12/95, 15/12/95, 16/12/95, 17/12/95, 18/12/95, 19/12/95, 20/12/95, 21/12/95, 22/12/95, 23/12/95, 24/12/95, 25/12/95, 26/12/95, 27/12/95, 28/12/95, 29/12/95, 30/12/95, 31/12/95, 1/1/96, 2/1/96, 3/1/96, 4/1/96, 5/1/96, 6/1/96, 7/1/96, 8/1/96, 9/1/96, 10/1/96, 11/1/96, 12/1/96, 13/1/96, 14/1/96, 15/1/96, 16/1/96, 17/1/96, 18/1/96, 19/1/96, 20/1/96, 21/1/96, 22/1/96, 23/1/96, 24/1/96, 25/1/96, 26/1/96, 27/1/96, 28/1/96, 29/1/96, 30/1/96, 31/1/96, 1/2/96, 2/2/96, 3/2/96, 4/2/96, 5/2/96, 6/2/96, 7/2/96, 8/2/96, 9/2/96, 10/2/96, 11/2/96, 12/2/96, 13/2/96, 14/2/96, 15/2/96, 16/2/96, 17/2/96, 18/2/96, 19/2/96, 20/2/96, 21/2/96, 22/2/96, 23/2/96, 24/2/96, 25/2/96, 26/2/96, 27/2/96, 28/2/96, 29/2/96, 30/2/96, 1/3/96, 2/3/96, 3/3/96, 4/3/96, 5/3/96, 6/3/96, 7/3/96, 8/3/96, 9/3/96, 10/3/96, 11/3/96, 12/3/96, 13/3/96, 14/3/96, 15/3/96, 16/3/96, 17/3/96, 18/3/96, 19/3/96, 20/3/96, 21/3/96, 22/3/96, 23/3/96, 24/3/96, 25/3/96, 26/3/96, 27/3/96, 28/3/96, 29/3/96, 30/3/96, 31/3/96, 1/4/96, 2/4/96, 3/4/96, 4/4/96, 5/4/96, 6/4/96, 7/4/96, 8/4/96, 9/4/96, 10/4/96, 11/4/96, 12/4/96, 13/4/96, 14/4/96, 15/4/96, 16/4/96, 17/4/96, 18/4/96, 19/4/96, 20/4/96, 21/4/96, 22/4/96, 23/4/96, 24/4/96, 25/4/96, 26/4/96, 27/4/96, 28/4/96, 29/4/96, 30/4/96, 1/5/96, 2/5/96, 3/5/96, 4/5/96, 5/5/96, 6/5/96, 7/5/96, 8/5/96, 9/5/96, 10/5/96, 11/5/96, 12/5/96, 13/5/96, 14/5/96, 15/5/96, 16/5/96, 17/5/96, 18/5/96, 19/5/96, 20/5/96, 21/5/96, 22/5/96, 23/5/96, 24/5/96, 25/5/96, 26/5/96, 27/5/96, 28/5/96, 29/5/96, 30/5/96, 31/5/96, 1/6/96, 2/6/96, 3/6/96, 4/6/96, 5/6/96, 6/6/96, 7/6/96, 8/6/96, 9/6/96, 10/6/96, 11/6/96, 12/6/96, 13/6/96, 14/6/96, 15/6/96, 16/6/96, 17/6/96, 18/6/96, 19/6/96, 20/6/96, 21/6/96, 22/6/96, 23/6/96, 24/6/96, 25/6/96, 26/6/96, 27/6/96, 28/6/96, 29/6/96, 30/6/96, 1/7/96, 2/7/96, 3/7/96, 4/7/96, 5/7/96, 6/7/96, 7/7/96, 8/7/96, 9/7/96, 10/7/96, 11/7/96, 12/7/96, 13/7/96, 14/7/96, 15/7/96, 16/7/96, 17/7/96, 18/7/96, 19/7/96, 20/7/96, 21/7/96, 22/7/96, 23/7/96, 24/7/96, 25/7/96, 26/7/96, 27/7/96, 28/7/96, 29/7/96, 30/7/96, 31/7/96, 1/8/96, 2/8/96, 3/8/96, 4/8/96, 5/8/96, 6/8/96, 7/8/96, 8/8/96, 9/8/96, 10/8/96, 11/8/96, 12/8/96, 13/8/96, 14/8/96, 15/8/96, 16/8/96, 17/8/96, 18/8/96, 19/8/96, 20/8/96, 21/8/96, 22/8/96, 23/8/96, 24/8/96, 25/8/96, 26/8/96, 27/8/96, 28/8/96, 29/8/96, 30/8/96, 31/8/96, 1/9/96, 2/9/96, 3/9/96, 4/9/96, 5/9/96, 6/9/96, 7/9/96, 8/9/96, 9/9/96, 10/9/96, 11/9/96, 12/9/96, 13/9/96, 14/9/96, 15/9/96, 16/9/96, 17/9/96, 18/9/96, 19/9/96, 20/9/96, 21/9/96, 22/9/96, 23/9/96, 24/9/96, 25/9/96, 26/9/96, 27/9/96, 28/9/96, 29/9/96, 30/9/96, 31/9/96, 1/10/96, 2/10/96, 3/10/96, 4/10/96, 5/10/96, 6/10/96, 7/10/96, 8/10/96, 9/10/96, 10/10/96, 11/10/96, 12/10/96, 13/10/96, 14/10/96, 15/10/96, 16/10/96, 17/10/96, 18/10/96, 19/10/96, 20/10/96, 21/10/96, 22/10/96, 23/10/96, 24/10/96, 25/10/96, 26/10/96, 27/10/96, 28/10/96, 29/10/96, 30/10/96, 31/10/96, 1/11/96, 2/11/96, 3/11/96, 4/11/96, 5/11/96, 6/11/96, 7/11/96, 8/11/96, 9/11/96, 10/11/96, 11/11/96, 12/11/96, 13/11/96, 14/11/96, 15/11/96, 16/11/96, 17/11/96, 18/11/96, 19/11/96, 20/11/96, 21/11/96, 22/11/96, 23/11/96, 24/11/96, 25/11/96, 26/11/96, 27/11/96, 28/11/96, 29/11/96, 30/11/96, 31/11/96, 1/12/96, 2/12/96, 3/12/96, 4/12/96, 5/12/96, 6/12/96, 7/12/96, 8/12/96, 9/12/96, 10/12/96, 11/12/96, 12/12/96, 13/12/96, 14/12/96, 15/12/96, 16/12/96, 17/12/96, 18/12/96, 19/12/96, 20/12/96, 21/12/96, 22/12/96, 23/12/96, 24/12/96, 25/12/96, 26/12/96, 27/12/96, 28/12/96, 29/12/96, 30/12/96, 31/12/96, 1/1/97, 2/1/97, 3/1/97, 4/1/97, 5/1/97, 6/1/97, 7/1/97, 8/1/97, 9/1/97, 10/1/97, 11/1/97, 12/1/97, 13/1/97, 14/1/97, 15/1/97, 16/1/97, 17/1/97, 18/1/97, 19/1/97, 20/1/97, 21/1/97, 22/1/97, 23/1/97, 24/1/97, 25/1/97, 26/1/97, 27/1/97, 28/1/97, 29/1/97, 30/1/97, 31/1/97, 1/2/97, 2/2/97, 3/2/97, 4/2/97, 5/2/97, 6/2/97, 7/2/97, 8/2/97, 9/2/97, 10/2/97, 11/2/97, 12/2/97, 13/2/97, 14/2/97, 15/2/97, 16/2/97, 17/2/97, 18/2/97, 19/2/97, 20/2/97, 21/2/97, 22/2/97, 23/2/97, 24/2/97, 25/2/97, 26/2/97, 27/2/97, 28/2/97, 29/2/97, 30/2/97, 31/2/97, 1/3/97, 2/3/97, 3/3/97, 4/3/97, 5/3/97, 6/3/97, 7/3/97, 8/3/97, 9/3/97, 10/3/97, 11/3/97, 12/3/97, 13/3/97, 14/3/97, 15/3/97, 16/3/97, 17/3/97, 18/3/97, 19/3/97, 20/3/97, 21/3/97, 22/3/97, 23/3/97, 24/3/97, 25/3/97, 26/3/97, 27/3/97, 28/3/97, 29/3/97, 30/3/97, 31/3/97, 1/4/97, 2/4/97, 3/4/97, 4/4/97, 5/4/97, 6/4/97, 7/4/97, 8/4/97, 9/4/97, 10/4/97, 11/4/97, 12/4/97, 13/4/97, 14/4/97, 15/4/97, 16/4/97, 17/4/97, 18/4/97, 19/4/97, 20/4/97, 21/4/97, 22/4/97, 23/4/97, 24/4/97, 25/4/97, 26/4/97, 27/4/97, 28/4/97, 29/4/97, 30/4/97, 31/4/97, 1/5/97, 2/5/97, 3/5/97, 4/5/97, 5/5/97, 6/5/97, 7/5/97, 8/5/97, 9/5/97, 10/5/97, 11/5/97, 12/5/97, 13/5/97, 14/5/97, 15/5/97, 16/5/97, 17/5/97, 18/5/97, 19/5/97, 20/5/97, 21/5/97, 22/5/97, 23/5/97, 24/5/97, 25/5/97, 26/5/97, 27/5/97, 28/5/97, 29/5/97, 30/5/97, 31/5/97, 1/6/97, 2/6/97, 3/6/97, 4/6/97, 5/6/97, 6/6/97, 7/6/97, 8/6/97, 9/6/97, 10/6/97, 11/6/97, 12/6/97, 13/6/97, 14/6/97, 15/6/97, 16/6/97, 17/6/97, 18/6/97, 19/6/97, 20/6/97, 21/6/97, 22/6/97, 23/6/97, 24/6/97, 25/6/97, 26/6/97, 27/6/97, 28/6/97, 29/6/97, 30/6/97, 31/6/97, 1/7/97, 2/7/97, 3/7/97, 4/7/97, 5/7/97, 6/7/97, 7/7/97, 8/7/97, 9/7/97, 10/7/97, 11/7/97, 12/7/97, 13/7/97, 14/7/97, 15/7/97, 16/7/97, 17/7/97, 18/7/97, 19/7/97, 20/7/97, 21/7/97, 22/7/97, 23/7/97, 24/7/97, 25/7/97, 26/7/97, 27/7/97, 28/7/97, 29/7/97, 30/7/97, 31/7/97, 1/8/97, 2/8/97, 3/8/97, 4/8/97, 5/8/97, 6/8/97, 7/8/97, 8/8/97, 9/8/97, 10/8/97, 11/8/97, 12/8/97, 13/8/97, 14/8/97, 15/8/97, 16/8/97, 17/8/97, 18/8/97, 19/8/97, 20/8/97, 21/8/97, 22/8/97, 23/8/97, 24/8/97, 25/8/97, 26/8/97, 27/8/97, 28/8/97, 29/8/97, 30/8/97, 31/8/97, 1/9/97, 2/9/97, 3/9/97, 4/9/97, 5/9/97, 6/9/97, 7/9/97, 8/9/97, 9/9/97, 10/9/97, 11/9/97, 12/9/97, 13/9/97, 14/9/97, 15/9/97, 16/9/97, 17/9/97, 18/9/97, 19/9/97, 20/9/97, 21/9/97, 22/9/97, 23/9/97, 24/9/97, 25/9/97, 26/9/97, 27/9/97, 28/9/97, 29/9/97, 30/9/97, 31/9/97, 1/10/97, 2/10/97, 3/10/97, 4/10/97, 5/10/97, 6/10/97, 7/10/97, 8/10/97, 9/10/97, 10/10/97, 11/10/97, 12/10/97, 13/10/97, 14/10/97, 15/10/97, 16/10/97, 17/10/97, 18/10/97, 19/10/97, 20/10/97, 21/10/97, 22/10/97, 23/10/97, 24/10/97, 25/10/97, 26/10/97, 27/10/97, 28/10/97, 29/10/97, 30/10/97, 31/10/97, 1/11/97, 2/11/97, 3/11/97, 4/11/97, 5/11/97, 6/11/97, 7/11/97, 8/11/97, 9/11/97, 10/11/97, 11/11/97, 12/11/97, 13/11/97, 14/11/97, 15/11/97, 16/11/97, 17/11/97, 18/11/97, 19/11/97, 20/11/97, 21/11/97, 22/11/97, 23/11/97, 24/11/97, 25/11/97, 26/11/97, 27/11/97, 28/11/97, 29/11/97, 30/11/97, 31/11/97, 1/12/97, 2/12/97, 3/12/97, 4/12/97, 5/12/97, 6/12/97, 7/12/97, 8/12/97, 9/12/97, 10/12/97, 11/12/97, 12/12/97, 13/12/97, 14/12/97, 15/12/97, 16/12/97, 17/12/97, 18/12/97, 19/12/97, 20/12/97, 21/12/97, 22/12/97, 23/12/97, 24/12/97, 25/12/97, 26/12/97, 27/12/97, 28/12/97, 29/12/97, 30/12/97, 31/12/97, 1/1/98, 2/1/98, 3/1/98, 4/1/98, 5/1/98, 6/1/98, 7/1/98, 8/1/98, 9/1/98, 10/1/98, 11/1/98, 12/1/98, 13/1/98, 14/1/98, 15/1/98, 16/1/98, 17/1/98, 18/1/98, 19/1/98, 20/1/98, 21/1/98, 22/1/98, 23/1/98, 24/1/98, 25/1/98, 26/1/98, 27/1/98, 28/1/98, 29/1/98, 30/1/98, 31/1/98, 1/2/98, 2/2/98, 3/2/98, 4/2/98, 5/2/98, 6/2/98, 7/2/98, 8/2/98, 9/2/98, 10/2/98, 11/2/98, 12/2/98, 13/2/98, 14/2/98, 15/2/98, 16/2/98, 17/2/98, 18/2/98, 19/2/98, 20/2/98, 21/2/98, 22/2/98, 23/2/98, 24/2/98, 25/2/98, 26/2/98, 27/2/98, 28/2/98, 29/2/98, 30/2/98, 31/2/98, 1/3/98, 2/3/98, 3/3/98, 4/3/98, 5/3/98, 6/3/98, 7/3/98, 8/3/98, 9/3/98, 10/3/98, 11/3/98, 12/3/98, 13/3/98, 14/3/98, 15/3/98, 16/3/98, 17/3/98, 18/3/98, 19/3/98, 20/3/98, 21/3/98, 22/3/98, 23/3/98, 24/3/98, 25/3/98, 26/3/98, 27/3/98, 28/3/98, 29/3/98, 30/3/98, 31/3/98, 1/4/98, 2/4/98, 3/4/98, 4/4/98, 5/4/98, 6/4/98, 7/4/98, 8/4/98, 9/4/98, 10/4/98, 11/4/98, 12/4/98, 13/4/98, 14/4/98, 15/4/98, 16/4/98, 17/4/98, 18/4/98, 19/4/98, 20/4/98, 21/4/98, 22/4/98, 23/4/98, 24/4/98, 25/4/98, 26/4/98, 27/4/98, 28/4/98, 29/4/98, 30/4/98, 31/4/98, 1/5/98, 2/5/98, 3/5/98, 4/5/98, 5/5/98, 6/5/98, 7/5/98, 8/5/98, 9/5/98, 10/5/98, 11/5/98, 12/5/98, 13/5/98, 14/5/98, 15/5/98, 16/5/98, 17/5/98, 18/5/98, 19/5/98, 20/5/98, 21/5/98, 22/5/98, 23/5/98, 24/5/98, 25/5/98, 26/5/98, 27/5/98, 28/5/98, 29/5/98, 30/5/98, 31/5/98, 1/6/98, 2/6/98, 3/6/98, 4/6/98, 5/6/98, 6/6/98, 7/6/98, 8/6/98, 9/6/98, 10/6/98, 11/6/98, 12/6/98, 13/6/98, 14/6/98, 15/6/98, 16/6/98, 17/6/98, 18/6/98, 19/6/98, 20/6/98, 21/6/98, 22/6/98, 23/6/98, 24/6/98, 25/6/98, 26/6/98, 27/6/98, 28/6/98, 29/6/98, 30/6/98, 31/6/98, 1/7/98, 2/7/98, 3/7/98, 4/7/98, 5/7/98, 6/7/98, 7/7/98, 8/7/98, 9/7/98, 10/7/98, 11/7/98, 12/7/98, 13/7/98, 14/7/98, 15/7/98, 16/7/98, 17/7/98, 18/7/98, 19/7/98, 20/7/98, 21/7/98, 22/7/98, 23/7/98, 24/7/98, 25/7/98, 26/7/98, 27/7/98, 28/7/98, 29/7/98, 30/7/98, 31/7/98, 1/8/98, 2/8/98, 3/8/98, 4/8/98, 5/8/98, 6/8/98, 7/8/98, 8/8/98, 9/8/98, 10/8/98, 11/8/98, 12/8/98, 13/8/98, 14/8/98, 15/8/98, 16/8/98, 17/8/98, 18/8/98, 19/8/98, 20/8/98, 21/8/98, 22/8/98, 23/8/98, 24/8/98, 25/8/98, 26/8/98, 27/8/98, 28/8/98, 29/8/98, 30/8/98, 31/8/98, 1/9/98, 2/9/98, 3/9/98, 4/9/98, 5/9/98, 6/9/98, 7/9/98, 8/9/98, 9/9/98, 10/9/98, 11/9/98, 12/9/98, 13/9/98, 14/9/98, 15/9/98, 16/9/98, 17/9/98, 18/9/98, 19/9/98, 20/9/98, 21/9/98, 22/9/98, 23/9/98, 24/9/98, 25/9/98, 26/9/98, 27/9/98, 28/9/98, 29/9/98, 30/9/98, 31/9/98, 1/10/98, 2/10/98, 3/10/98, 4/10/98, 5/10/98, 6/10/98, 7/10/98, 8/10/98, 9/10/98, 10/10/98, 11/10/98, 12/10/98, 13/10/98, 14/10/98, 15/10/98, 16/10/98, 17/10/98, 18/10/98, 19/10/98, 20/10/98, 21/10/98, 22/10/98, 23/10/98, 24/10/98, 25/10/98, 26/10/98, 27/10/98, 28/10/98, 29/10/98, 30/10/98, 31/10/98, 1/11/98, 2/11/98, 3/11/98, 4/11/98, 5/11/98, 6/11/98, 7/11/98, 8/11/98, 9/11/98, 10/11/98, 11/11/98, 12/11/98, 13/11/98, 14/11/98, 15/11/98, 16/11/98, 17/11/98, 18/11/98, 19/11/98, 20/11/98, 21/11/98, 22/11/98, 23/11/98, 24/11/98, 25/11/98, 26/11/98, 27/11/98, 28/11/98, 29/11/98, 30/11/98, 31/11/98, 1/12/98, 2/12/98, 3/12/98, 4/12/98, 5/12/98, 6/12/98, 7/12/98, 8/12/98, 9/12/98, 10/12/98, 11/12/98, 12/12/98, 13/12/98, 14/12/98, 15/12/98, 16/12/98, 17/12/98, 18/12/98, 19/12/98, 20/12/98, 21

NRA RIVER HABITAT SURVEY 1995: 1st A-A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 4157
Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TR 605874 River: MAR DYKE
Date: 14/9/1995 Time: 14:00 Surveyor name: G.C. Maltby
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: ...
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box) [Estimated - return with report of failures!]
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes/mk. diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number(s))

Riffles 2 Unvegetated point bars
Pools 1 Vegetated point bars 2
(1E + 1U = 2 total point bars)

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles Pools Unvegetated point bars Vegetated point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel width & 1m wide zone) (tick one box per feature)

Spot check 1 is at upstream end of site (tick one box)

LEFT BANK

Bank material (fine) RS RS RS RS RS RS RS RS RS RS
Bank modification(s) NO NO NO NO NO NO NO NO NO NO
Bank feature(s) NO NO NO NO NO NO NO NO NO NO
Channel note: (1) (2) (3) (4) (5) (6) (7) (8) (9) (10)
Channel substrate (fine) SP SP SP SP SP SP SP SP SP SP
Flow type (fine) SA SA SA SA SA SA SA SA SA SA
Channel modification(s) NO NO NO NO NO NO NO NO NO NO
Channel feature(s) NO NO NO NO NO NO NO NO NO NO

RIGHT BANK

Bank material (fine) RS RS RS RS RS RS RS RS RS RS
Bank modification(s) NO NO NO NO NO NO NO NO NO NO
Bank feature(s) NO NO NO NO NO NO NO NO NO NO

F. HANTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, EM, SC, SP, WT, OW, IL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BL SC SC SC SC SC SC SC SC SC
LEFT BANK FACE (structure) BL SC SC SC SC SC SC SC SC SC
RIGHT BANK FACE (structure) BL SC SC SC SC SC SC SC SC SC
RIGHT BANK-TOP (structure within 1m) BL SC SC SC SC SC SC SC SC SC
LAND USE WITHIN 5m OF BANK TOP (R) BL SC SC SC SC SC SC SC SC SC

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with site survey: use E (in 33% area) or V (green))

NONE (tick one box)

Liverworts mosses/lichens
Emergent broad-leaved
Emergent reeds
Floating-leaved
Free floating
Amphibious
Submerged - broad-leaved
Submerged fine-leaved
Filamentous algae

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

DATES: record ground water level

PLANTS: see list of plants in the site survey + species if possible of plants past a 10m transect

Repeat 1

Site No. 4157 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or V if present)

LEFT BANK

Broadleaved/ mixed woodland (BL)
Coniferous plantation (CP)
Moorland/heath (MH)
Scrub (SC)
Rough pasture (RP)
Wetland (eg bog, marsh, fen) (WT)
Open water (OW)
Improved/semi-improved grass (IG)
Tilled land (TL)
Suburban/urban development (SU)

RIGHT BANK

Wetland (eg bog, marsh, fen) (WT)
Open water (OW)
Improved/semi-improved grass (IG)
Tilled land (TL)
Suburban/urban development (SU)

I. BANK PROFILES (Use E (in 33% banklength) or V if present)

Natural/unmodified L R Artificial/modified L R

Vertical/undrained L R Reinforced L R
Vertical + toe L R Reinforced - whole bank L R
Steep (> 45°) L R Reinforced - top only L R
Gentle L R Reinforced - toe only L R
Composite L R Artificial re-erect L R
Perched L R
Embanked L R
Set-back embankments L R

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

None ☒ Left ☐ Right ☐ Vires ☐ E 33% ☐ None ☐ Present ☐ Notes

Isolated/scattered ☐ Regularly spaced, single ☐ Occasional clumps ☐ Semi-continuous ☐ Continuous ☐

ASSOCIATED FEATURES (tick one box per feature)

Shading of channel ☐ Overhanging boughs ☐ Exposed bankside roots ☐ Underwater tree roots ☐ Fallen trees ☐ Coarse woody debris ☐

K. EXTENT OF CHANNEL FEATURES (tick one box per feature)

Waterfalls (1) - freefall ☒ Cascades (1) - chute ☐ Step/pool sequence ☐ Rapids (1) - whitewater ☐ Riffle/pool sequence ☐ Run (1) - disturbed, silted ☐ Boil (1) - swellings ☐ Glides (1) - smooth, no eddies ☐

Marginal dead-water - slack ☐ Exposed bedrock ☐ Exposed boulders ☐ Unvegetated mid-channel bars ☐ Vegetated mid-channel bars ☐ Mature island(s) ☐ Unvegetated side bars ☐ Vegetated side bars ☐

Have you completed your squares from this week? (and G F10 for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 2.5
Banktop height (m) 1.5
Embanked height (m) 0.05
Water width (m) 1.0
Water depth (m) 0.05
Embanked height (m) 2.0

RIGHT BANK

Banktop width (m) 2.5
Banktop height (m) 0.75
Embanked height (m) 2.0

If bankline lower than banktop break in slope, indicates height (m) 0.75 width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =
Footbridges = Part of site ☐ Part of site ☐ Part of site ☐

Is water level controlled by weir/dam downstream? No ☒ Yes ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ mowing ☒ EAS ☐ Other? State: ...
ward-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL

Waterfalls > 1m high ☐ Artificial open water ☒ Bog ☐ Other (state) ...
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Lush debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE SUSANSE PLANT SPECIES (Use 1/11 indicate total number, tick 'none' where appropriate)

None ☒ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: ...

R. BRIEF DESCRIPTION (Use prompt and key words as appropriate)

Descriptive sentence: Small channel, dredged in past - mostly lawns.
Plants of note: (see list) Some patchy hedges.
Major conservation features: ...
Major impacts: RS banks - Set back Em (L43), Embanked on R43.
Incidental observations (animals etc): Extensive porching L43.
If reached a length of 10m, tick 10
SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, B100 6BB

14/10/95

NRA RIVER HABITAT SURVEY 1995: 10 SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source (km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 4159
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES 1/3 - NAMED TRIS 2
Grid Reference: 10 864892 River: RCA CH
Date: 13.6.1995 Time: 10.15 Surveyor name: GC M.V. NO. 116
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: 6.5 m
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photograph general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + NATES/mh T. L. A. C. A. N.

D. NUMBER OF RIFLES, POOLS AND POINT BARS (Use [H] then indicate total number)

Rifles 4 Unvegetated point bars 2
Pools 3 Vegetated point bars 2
IFE - 10.15 - 10.15 - 10.15

National Rivers Authority

DATES: Record 13.6.1995 named 10.15 initial 10.15 latitude 10.15

NRA RIVER HABITAT SURVEY 1995: 10 SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel width at 1m wide cross)

Spot check 1 is at: upstream and downstream of site (tick one)

	1	2	3	4	5	6	7	8	9	10	Notes
LEFT BANK (looking downstream)											
Bank material (one)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification (one)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature (one)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
CHANNEL NOTE (one)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel substrate (one)	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	
Flow type (one)	NP	SA	RP	NP	SA	RP	NP	SA	RP	NP	
Channel modification (one)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature (one)	TR	NO	TR	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK (looking upstream)											
Bank material (one)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification (one)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature (one)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CL, PL, SL, TL, OL, IL, GL, FL, HL, AL, EL, PL, SL, TL, OL, IL, GL, FL, HL, AL, EL

LAND USE WITHIN 5m OF BANKTOP (L)

	1	2	3	4	5	6	7	8	9	10	Notes
LEFT BANK-TOP (structure within 1m)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	
LEFT BANK FACE (structure)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	
RIGHT BANK FACE (structure)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	
RIGHT BANK-TOP (structure within 1m)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	
LAND USE WITHIN 5m OF BANKTOP (R)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	

G. CHANNEL VEGETATION TYPES (all in relevant boxes with one entry; use E for 33% area or 1/3 area)

	1	2	3	4	5	6	7	8	9	10	Notes
NONE (tick)											
Emergent broad-leaved											
Emergent narrow-leaved											
Emergent reed/straw											
Flowering-leaved											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine-leaved											
Fileweed, algae											

Use end 'catchall' column for types not occurring in spot checks as well as overall assessment over 500m (use E or 1/3)

PLANTS - Use 1st 4 digits of Brown's River Vegetation + species if possible of Plant part & Potamogeton part

REPEAT 1

SITE NO. 4159 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E for 33% banklength or 1/3 area)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WZ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E for 33% banklength or 1/3 area)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/unreinforced			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial re-surge		
Use this space to draw profile if different from above, after taking profile			Embankment		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per bank)

	Left	Right	Notes
None			
Isolated/scattered			
Regularly spaced, single			
Occasional clumps			
Semi-continuous			
Continuous			

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present	Notes
Shading of channel			
Overhanging boughs			
Exposed bankside roots			
Underwater tree roots			
Fallen trees			
Coarse woody debris			

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes
Waterfalls - free-fall			
Cascades - chute			
Step/pool sequence			
Rapid(s) - whitewater			
Riffle-pool sequence			
Rue(s) - disturbed, rippled			
Boil(s) - upwellings			
Glide(s) - smooth, no eddies			

ASSOCIATED CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes
Marginal deadwater - stock			
Exposed bedrock (C & V)			
Exposed boulders			
Unvegetated mid-channel bars			
Vegetated mid-channel bars			
Vegetated island(s)			
Unvegetated side bars			
Vegetated side bars			

Have you completed your request form this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	9.0	
Banktop height (m)	2.25	2.25
Water width (m)		2.0
Water depth (m)		0.05
Embankment height (m)		
If bankline lower than banktop break in slope, indicate height (m) 0.0 width (m) 2.0		

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use [H] indicate total number, tick 'none' where appropriate)

None ☐ Number of ☐ Culverts = ☐ Weirs = ☐ Outfalls = ☐ Piers = ☐
Feetbridges = ☐ Roadbridges = ☐ Other = ☐

Is water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Mouth of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ mowing ☐ Other? State ☐
weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water <input type="checkbox"/>
Brick/stone channels	Natural open water <input type="checkbox"/>
Debris dams	Water meadow <input type="checkbox"/>
Leafy debris	Fen <input type="checkbox"/>
	Bog <input type="checkbox"/>
	Cut <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flush <input type="checkbox"/>

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use E or 1/3)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State ☐

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Gravel (r), 25 G.R. - some compressed gravel
Plants of note: see 10.15 Procyon latifolius, but no more + 10.15
Major conservation features: see 10.15
Major impacts: see 10.15 point !! + 25 banks, + 10.15
Incidental observations (animals etc): see 10.15

IFE 2 channel see 10.15 10.15

S. DISEASED ALBERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other (disease) State ☐

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for forwarding - labels supplied

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

BACKGROUND MATERIAL INFORMATION

Altitude (m) 1163 Slope (m/m) 1.0 Flow category (1-10) 1
 Sediment code 1 Drift geology code 1 Platform category 1
 Distance from source (km) 1.5 Significant tributary NO Navigation NO

REFERENCE NETWORK

Reference network site number 4163
 Mid-section grid reference of network site (if different from designated location)

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: ST 482717 River: LAND Y60
 Date: 255 1995 Time: 12.20 Surveyor name: 78.74 (4) 10 AK 764
 Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Erosion - natural or artificial? No ☐ Yes ☒ (tick one box)
 Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow yes ☐ terraced valley floor
☐ deep yes ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave bowl ☐ irregular floodplain

NUMBER OF RIVERS, POOLS AND POINT BARS (tick one box only)

River 1 Unvegetated point bars 1 Vegetated point bars 1
 Pool 1 Unvegetated point bars 1 Vegetated point bars 1

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel width at 10m points)

Spot check 1 to 10: upstream end 1 2 3 4 5 6 7 8 9 10 downstream end

LEFT BANK (looking downstream)

Bank material (fine) EA EA EA EA EA EA EA EA EA EA
 Bank modification NO NO NO NO NO NO NO NO NO NO
 Bank factors NO NO NO NO NO NO NO NO NO NO

CHANNEL

Channel substrate (fine) CL CL CL CL CL CL CL CL CL CL
 Flow type (fine) SP SP SP SP SP SP SP SP SP SP
 Channel modification NO NO NO NO NO NO NO NO NO NO
 Channel factors NO NO NO NO NO NO NO NO NO NO

RIGHT BANK (looking downstream)

Bank material (fine) EA EA EA EA EA EA EA EA EA EA
 Bank modification NO NO NO NO NO NO NO NO NO NO
 Bank factors NO NO NO NO NO NO NO NO NO NO

BANNTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide point)

Land use: choose one from ML, CP, SW, SC, AP, WL, OW, SL, TL, PU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK TOP (structure within 1m) BAISC
 LEFT BANK FACE (structure) BAISC
 RIGHT BANK FACE (structure) BAISC
 RIGHT BANK TOP (structure within 1m) BAISC
 LAND USE WITHIN 5m OF BANK TOP (R) BAISC

CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry per 10% area or 10m width)

NONE ☐ Plant species (tick one)
 Emergent ☐
 Submerged ☐
 Floating-leaved ☐
 Free-floating ☐
 Amphibious ☐
 Submerged ☐
 Floating-leaved ☐
 Free-floating ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop height (m) 1.25 Banktop width (m) 6.50
 Embankment height (m) 1.25 Embankment width (m) 6.50

RIGHT BANK

Banktop height (m) 1.25 Banktop width (m) 6.50
 Embankment height (m) 1.25 Embankment width (m) 6.50

ARTIFICIAL FEATURES (tick appropriate box)

None ☐ Number of Culverts Weirs Outfalls Fords
 In water level controlled by weir/dam downstream ☐ Part of site ☐ Downstream of site ☐

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dragging ☐ moving ☐ Other?
 weed-cutting ☐ enhancement ☐ Other?

FEATURES OF SPECIAL INTEREST (tick appropriate box)

CHANNEL

Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)
 Artificial open water ☐ Bug ☐ Other (note)
 Eroded/wide channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL (tick one box)

In 33% or more of the channel choked with vegetation? NO ☐ YES ☐

NOTABLE NUISANCE PLANT SPECIES (tick appropriate box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other?

BRIEF DESCRIPTION (tick appropriate box)

Descriptive statement:
 Plants of note:
 Major conservation features:
 Major impact:
 Incidental observations (animals etc):

IF 2 OR MORE BOXES ARE TICKED

None ☐ Present ☐ Extensive ☐ Other (describe)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop height (m) 1.25 Banktop width (m) 6.50
 Embankment height (m) 1.25 Embankment width (m) 6.50

RIGHT BANK

Banktop height (m) 1.25 Banktop width (m) 6.50
 Embankment height (m) 1.25 Embankment width (m) 6.50

ARTIFICIAL FEATURES (tick appropriate box)

None ☐ Number of Culverts Weirs Outfalls Fords
 In water level controlled by weir/dam downstream ☐ Part of site ☐ Downstream of site ☐

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dragging ☐ moving ☐ Other?
 weed-cutting ☐ enhancement ☐ Other?

FEATURES OF SPECIAL INTEREST (tick appropriate box)

CHANNEL

Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)
 Artificial open water ☐ Bug ☐ Other (note)
 Eroded/wide channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL (tick one box)

In 33% or more of the channel choked with vegetation? NO ☐ YES ☐

NOTABLE NUISANCE PLANT SPECIES (tick appropriate box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other?

BRIEF DESCRIPTION (tick appropriate box)

Descriptive statement:
 Plants of note:
 Major conservation features:
 Major impact:
 Incidental observations (animals etc):

IF 2 OR MORE BOXES ARE TICKED

None ☐ Present ☐ Extensive ☐ Other (describe)

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Enclosure supplied? Part completed form for processing - details supplied

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Platform category
Distance from source (km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 4175
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES (PANG - according to RA)
Grid Reference: SU 632737 River: BOURNE
Date: 6/1/1995 Time: 16:00 Surveyor name: 78, 74, 74, 14 AK 78m
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: 62 miles NW
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photograph: general character? No ☐ Yes ☒ (tick one box) with site no. 1
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave bowl ☐ + notes/other features

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 3 Unvegetated point bars
Pools 1 Vegetated point bars
(If E or V - see 100m sweep-up)

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 3 Pools 1 Unvegetated point bars 1 Vegetated point bars 1

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is in the upstream end of site (tick one box)
Spot check 2 is in the downstream end of site (tick one box)

LEFT BANK - looking downstream

Bank material (fine) EA EA EA EA EA EA EA EA EA EA
Bank modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
Bank feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
Channel substrate (fine) GP GP GP GP GP GP GP GP GP GP
Flow type (fine) SM SP SM SM UN SM SM SM SM
Channel modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
Channel feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
RIGHT BANK - looking downstream

Bank material (fine) EA EA EA EA EA EA EA EA EA EA
Bank modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
Bank feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide measure)

Land use: choose one from FL, CP, KH, SC, EP, VL, GW, NO, TL, SU
Land use within 5m of BANKTOP (L) IG IG EL BL EL IG IG EL EL
LEFT BANK-TOP (structure within 1m) U U S S S S U S
LEFT BANK FACE (structure) S S U U U U U S
RIGHT BANK-TOP (structure within 1m) U U U U U U U S
RIGHT BANK FACE (structure) S U U U U U U S
LAND USE WITHIN 5m OF BANK TOP (R) IG IG IG IG IG IG EL EL

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry per E (in 33% area) or if present)

NONE ☐ Plant species (tick one)
Diversified ☐ Plant species
Dominant ☐ Plant species
Emergent broad ☐ Plant species
Emergent narrow ☐ Plant species
Emergent reeds ☐ Plant species
Floating-leaved ☐ Plant species
Free-floating ☐ Plant species
Amphibious ☐ Plant species
Submerged ☐ Plant species
Submerged floating-leaved ☐ Plant species
Filamentous algae ☐ Plant species

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V) ☒

PLANTS - Use tick in boxes of groups of plants, ferns, mosses + species if possible of particular plants

Repeat 1 SITE NO. 4175 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or if present)

I. BANK PROFILES (Use E (in 33% banklength) or if present)

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

M. ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick 'point' where appropriate)

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

P. CHOKED CHANNEL (Tick one box)









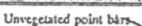


Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11 indicate total number, tick 'point' where appropriate)

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Channel, GP substrate, plenty of vegetation
Plants of note: None
Major conservation features: BL woodland in 2/3 section
Major impacts: Mt Waterway + Road Bridge (A Road) Modification
Incidental observations (animals etc): > 1000 COPSE SSS at 2/3 end of survey reach
Disused Alders: None

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Have you completed your enquiries from this week? (Send to FWD for signature!)

BAC THUNDER RIVER BASIN INVESTIGATION		
Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source(km)	Significant tributary ?	Navigation ?
B FIELD SURVEY DETAILS		
Reference network site number: <u>LH76</u>		
Mid-section grid reference of network site if different from designated location:		
COMPLETE THE FOLLOWING FOR ALL SITES		
Grid Reference: <u>SM 765714</u>	River: <u>LOTSDO?</u> TB TW PH LA AK TO	
Date <u>9/6/1995</u> Time <u>14:15</u>	Surveyor name (write or tick) <u>CC MLY WS Nib FWD</u>	
Adverse conditions affecting survey?	No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	If yes, state
Bed of river visible?	No <input type="checkbox"/> partially <input checked="" type="checkbox"/> entirely <input type="checkbox"/>	(pick one box)
Photographs: general character? No <input checked="" type="checkbox"/> <i>General - return with regard to features</i>	Yes <input type="checkbox"/> (tick one box) <i>w/ sub th m!</i>	
Site surveyed from: left bank <input checked="" type="checkbox"/> right bank <input type="checkbox"/> channel <input type="checkbox"/>	(tick as appropriate)	
C PREDOMINANT VALLEY FORM (tick one box only)		
 <input type="checkbox"/> shallow vee	 <input type="checkbox"/> terraced valley floor	
 <input type="checkbox"/> deep vee	 <input checked="" type="checkbox"/> symmetrical floodplain	
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain	
 <input type="checkbox"/> concave/bowl	+ NOTES / extra diagrams	
D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 111 then indicate total number)		
Riffles 	Unvegetated point bars 	
Pools 	Vegetated point bars 	

National Rivers Authority

DATES. Record

paired

valuable

Dated _____

[illegible]

PLANTS - Use 1st 4 letters of genus \rightarrow P. L. A. S. P. L. A. S. P. L. A. S. P. L. A. S.

SITE NO. 1476 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 8

11. LAND USE WITHIN 50m OF BANKTOP Use E (≥ 33% banklength) or % if percent

	L	R		L	R
Deciduous/mixed woodland (DL)		<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)		
Ceniferous plantation (CF)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		<input checked="" type="checkbox"/>
Scrub (SC)			Tilled land (TL)		
Frough pasture (FP)			Suburban/urban development (SU)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

12. BANK PROFILES Use E (≥ 33% banklength) or % if percent

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/handcut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Revetted		
Vertical + toe	<input checked="" type="checkbox"/>		Reinforced - whole bank		<input checked="" type="checkbox"/>
Steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Grazed			Reinforced - toe only		
Composite			Artificial toe-rugs		
Use this scale to draw profile if distance from stream, rather than perpendicular bank			Protrud		
			Embanked		
			Set-back embankments		

13. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	WATER	E % 33%	None	Percent	E	None	% 33%
None	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Flaring of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cactus/woody debris	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

14. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Percent	E	None	Percent	E	None	% 33%
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Step-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapids(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Runs(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reils(s) - spewlings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Have you completed your exercises for this week? (send to FWD for signature!)

1. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		RIGHT BANK	
Backstop width (m)		34.0	
Backstop height (m)	1.25	Water width (m) (S)	20.0
Backstop height (m)		Backstop height (m)	1.25
Embankment height (m)		Water depth (m) (S)	1.25
Embankment height (m)		Embankment height (m)	

If trussing lower than last top break in slope, indicates height (m) width (m)

Bed material at site: consolidated (frequent) ☐ unconsolidated (frequent) ☒ unknown ☐

Location of measurement: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (if applicable)

2. ARTIFICIAL FEATURES (Use "X" to indicate that number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Feeds =
Pondbridges = Roadbridges = Other =

Is water level controlled by within downstream? No ☒ Part of site ☐ Mouth of site ☐

3. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

digging ☐ mowing ☐ Other? State _____
weed-cutting ☐ enhancement ☐

4. FEATURES OF SPECIAL INTEREST (Tick appropriate box)

CHANNEL		FLOODPLAIN (50m corridor)	
Waterfalls > 2m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bag <input type="checkbox"/>	Other (state) _____
Bricks/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Cue <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Loose debris <input checked="" type="checkbox"/>	Fen <input type="checkbox"/>	Flats <input type="checkbox"/>	

5. CHOKED CHANNEL (Tick one box)

Is 25% or more of the channel choked with vegetation? NO ☒ YES ☐

6. NOTABLE INVASIVE PLANT SPECIES (Use "X" for present, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State Japanese Knotweed

7. BRIEF DESCRIPTION (Use plumes and log words as appropriate)

Descriptive features: Sand fluting low river channel, S1 over GP substrate

Plants of note: (see list) Open recreation ground U30

Major conservation features: _____

Major impacts: Road Bridge & Small airfield

Incidental observations (animals etc): _____

IF 2 channels, tick both B. Riffle

8. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 3BH

Envelopes supplied! Post Completed time for planning letters - 11-11-11

Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source(km)	Significant tributary ?	Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4180

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: JL DH 1H CC ML

River: 78.7W PM 16 AK 76m

Date: 2.1.1995 Time: 11.00 Surveyor name: G.C. M.L. No. 16 76m








Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state _____

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl	+ NOTE/other diagram	

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles	<u>5</u>	Unvegetated point bars	<u>0</u>
Pools	<u>0</u>	Vegetated point bars	<u>0</u>

IFE incl. - see over page 2

National Rivers Authority

DATES. Record 1-1-1976	prepared	initiated	date checked
---------------------------	----------	-----------	-----------------

Riffles _____ Pools _____ Unvegetated point bars _____ Vegetated point bars _____
 Page 2 of 2

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 3m wide zone) (Mark y or time) feature (y)

Spot check 1 is at: upstream or downstream	of site (first one)	1	2	3	4	5	6	7	8	9	10	Field No.
LEFT BANK: bank up or down												
Mid. BE, SO, CO, CL, SE, CL, CC, S, W, G, L, R, S, W		CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	
Bank modification(s) <input type="checkbox"/> NO, SE, CO, CL, CC, S, W		CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	
Bank feature(s) <input type="checkbox"/> NO, SE, CO, CL, CC, S, W		CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	
CHANNEL NOTE: <input type="checkbox"/> NO, SE, CO, CL, CC, S, W		CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	
Channel substrate (fine) W, SE, SO, CO, CL, CC, S, W, G, L, R, S, W		CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	
Flow type (fine) FF, CH, W, UV, CF, SF, VP, SH, SP, NO		CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	
Channel modification(s) <input type="checkbox"/> NO, SE, CO, CL, CC, S, W		CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	
Channel feature(s) <input type="checkbox"/> NO, SE, CO, CL, CC, S, W		CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	
RIGHT BANK: bank up or down												
Mid. BE, SO, CO, CL, SE, CL, CC, S, W, G, L, R, S, W		CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	
Bank modification(s) <input type="checkbox"/> NO, SE, CO, CL, CC, S, W		CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	
Bank feature(s) <input type="checkbox"/> NO, SE, CO, CL, CC, S, W		CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 30m wide transect)												
Land use: choose one from BE, CP, MH, SC, RP, WL, GW, NL, TL, UV												
LAND USE WITHIN 5m OF BANKTOP (L)		SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	
LEFT BANK-TOP (structure within 3m) BE, SC		SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	
LEFT BANK FACE (structure) BE, SC		SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	
RIGHT BANK FACE (structure) BE, SC		SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	
RIGHT BANK-TOP (structure within 3m) BE, SC		SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	
LAND USE WITHIN 5m OF BANK TOP (R)		SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: WL (a 33% area) or d (presently))												
NONE (pick)												
Emergent broad-leaved herbs												
Emergent reeds, sedges/rushes												
Floating-leaved (free)												
Free-floating												
Amphibious												
Submerged broad-leaved												
Submerged fine-leaved												
Filament, algae												

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or f)

PLANTS - Use 1st 4 letters of genus eg Pota, Pota. n. o. g. a. t. i. o. n.
+ species if possible eg Pota. p. a. c. h. = Pota. n. o. g. a. t. i. o. n. p. a. c. h. i. n. a.

Page 3 of

H. LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or / if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES: Use E ($\geq 33\%$ banklength) or / if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical undercut 			Reasclooned 		
Vertical + toe 			Reinforced - whole bank 		
Steep (> 45°) 			Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
Use this space to draw profile if different from above, after taking predetermined box			Frenched 		
			Embanked 		
			Seabank embankments 		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)				ASSOCIATED FEATURES (Tick one box per feature)				
	Left	Right	NOTES	E $\geq 33\%$	None	Present	E	NOTES
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E		None	Present	E	NOTES
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water - slack	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Punt(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marshy island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Glides(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your expenses form this week? (send to FWD for signature!)

L. RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES. Page 4 of 4

CHANNEL DIMENSIONS To be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK	Banktop width (m)	250	RIGHT BANK
Banktop height (m)	7.6	Water width (m)	200
Banktop height (m)	X	Water depth (m)	NOT MEASURED
Banktop height (m)	X	Banktop height (m)	7.6
Banktop height (m)	X	Banktop height (m)	X

If bankline lower than banktop break in slope, indicate: height (m) < width (m) X

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement line: riffle ☒ run or glide ☒ other ☐ pick one box! Slope (1:10) ☒

M. ARTIFICIAL FEATURES (Use 1-10. Indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 3 Fords = 0

Footbridges = 0 Roadbridges = 1 Other = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

grading ☐ moving ☐ Other? State _____

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Box ☒ Other (state) _____

Braided/hide channels ☐ Natural open water ☐ Carr ☐

Debris dams ☒ Water meadow ☐ Flash ☐

Leafy debris ☐ Fen ☐

F. CHOKED CHANNEL (Tick one box)

Is 25% or more of the channel choked with vegetation? NO ☒ YES ☐

G. NOTABLE NUISANCE PLANT SPECIES (Use 1-10, or "A" for "All")

Giant Hogweed ☒ Himalayan Balsam ☐ Japanese Knotweed ☒ Other? State _____

H. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentences: This river is fed by natural banks & is right water

Plants of note: The first path of a river is right water. No like was done in the channel. A path runs the length of the

Major conservation features: left bank bed is prominent, exposed, at small

Major impacts: path of top bed, can be hit by the river

Incidental observations (animals etc):

IF E3 Channel may be taken D. 10/10/05

S. DISEASED ALGAE (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trout? State _____

SEND COMPLETED FORM TO: IUGG DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, B120 6BB

Envelopes supplied! Post completed films for processing - labels supplied as requested.

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 3 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/n) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Platform category _____

Distance from source (km) _____ Significant tributary ? ☒ Navigation ? ☐

B. FIELD SURVEY DETAILS

Reference network site number: 1188

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: ST 474691 River: KENH

Date: 25/11/95 Time: 11.15 Surveyor name: TS, TW, CU, I, AK, T, B

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + note/make diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 5 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

IFE - in d - see 100m sweep

National Rivers Authority

JMES, record planned visited before checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 1111 Pools _____ Unvegetated point bars _____ Vegetated point bars _____

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ mid-channel ☒ downstream end ☐

LEFT BANK (tick one box)

Bank material (fine) 10.00.00.00.00.00

Bank modification(s) ☐ NO.00.00.00.00.00

Bank feature(s) ☐ NO.00.00.00.00.00

CHANNEL (tick one box)

Channel substrate (fine) 10.00.00.00.00.00

Flow type (fine) 10.00.00.00.00.00

Channel modification(s) ☐ NO.00.00.00.00.00

Channel feature(s) ☐ NO.00.00.00.00.00

RIGHT BANK (tick one box)

Bank material (fine) 10.00.00.00.00.00

Bank modification(s) ☐ NO.00.00.00.00.00

Bank feature(s) ☐ NO.00.00.00.00.00

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from H, CP, SH, IC, AD, VE, CW, IG, TL, 10

LAND USE WITHIN 1m OF BANKTOP (L) ES ES ES ES ES ES ES ES ES ES

LEFT BANK-TOP (structure within 1m) ES ES ES ES ES ES ES ES ES ES

LEFT BANK FACE (structure) ES ES ES ES ES ES ES ES ES ES

RIGHT BANK FACE (structure) ES ES ES ES ES ES ES ES ES ES

RIGHT BANK-TOP (structure within 1m) ES ES ES ES ES ES ES ES ES ES

LAND USE WITHIN 5m OF BANK TOP (R) ES ES ES ES ES ES ES ES ES ES

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one except use 5 to 10% area) or 1 (percent)

NONE (tick) ☐ Plant species (tick one)

Emergent broad-leaved herbs ☒ apium, c. etc.

Emergent narrow-leaved herbs ☒ phalaris

Flowering (swamp) (swamp) ☒ phalaris

Free-floating ☐

Amphibious ☐

Submerged, broad-leaved ☐

Submerged, narrow-leaved ☐

Filament, algae ☒ entamocephala

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (one E or 1)

NOTE: Use 1-10 for types not occurring in spot checks as well as overall assessment over 500m (one E or 1)

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 3 of 4

Site NO. 1188

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 10% banklength) or 1 (percent))

	L	R		L	R
Forest/woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	<u>E</u>	<u>E</u>
Serb (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 10% banklength) or 1 (percent))

	L	R		L	R
Natural/unmodified	<u>1</u>	<u>1</u>	Artificial/modified		
Vertical bank	<u>1</u>	<u>1</u>	Revetted		<u>E</u>
Vertical + toe	<u>1</u>	<u>1</u>	Revetted - whole bank	<u>1</u>	<u>1</u>
Steep (>45°)	<u>1</u>	<u>1</u>	Revetted - top only		
Grades			Revetted - toe only		
Composites			Artificial re-charge		
Use 1-10 to show profile of different bank types, other filling preferred box			Revetted		
			Set-back embankment		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	Left	Right	WATER	E 2/10	None	Present	NOTE
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>					
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>					
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>					
Scrub-continuous	<input type="checkbox"/>	<input type="checkbox"/>					
Continuous	<input type="checkbox"/>	<input type="checkbox"/>					

K. EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	NOTE
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rus(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Reel(s) - spillings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

L. ASSOCIATED FEATURES (tick one box per feature)

	None	Present	NOTE
Magical deadwater - slack	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Marsh island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Have you completed your species from this week? (and 6 PWS for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	RIGHT BANK
Bank top height (m) <u>0.50</u>	Bank top height (m) <u>1.50</u>
Bank height (m) <u>0.50</u>	Bank height (m) <u>1.50</u>
Water width (m) <u>2.0</u>	Water width (m) <u>1.50</u>
Water depth (m) <u>0.15</u>	Water depth (m) <u>0.15</u>
Bank slope (m) <u>0.50</u>	Bank slope (m) <u>0.50</u>
Bank material at site: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>	
Location of measurement in: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/> (tick one box)	

M. ARTIFICIAL FEATURES (Use 1-10 to indicate area number, tick "none" where appropriate)

None ☐ Number of Culverts = 2 Weirs = 2 Outfalls = 0 Ponds = 0

Is water level controlled by weirs/dams/droppers? No ☒ Yes ☐ Part of the ☐ North side of the ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

digging ☐ mowing ☐ Other? ☐ State: _____

weeding ☐ enrichment ☐

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL ☐ FLOODPLAIN (50m corridor) ☒

Waterfalls > 5m high ☐ Artificial open water ☒ Big ☐ Other (state) _____

Pruned/side channels ☐ Natural open water ☐ Cuts ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Pits ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)

Is 10% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 to indicate area number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? ☐ State: _____

R. BRIEF DESCRIPTION (Use primary and key words as appropriate) (The Section 3)

Descriptive statement: Section 3: 100m sweep-up with 100m long crossing which has some small bushes and trees. Left bank has steep mature bank with ledge.

Plants of note: None

Major conservation features: None

Major impacts: None

Incidental observations (animals etc): None

IFE ☒ None

S. DISEASED ALGAE (tick one box)

None ☒ Present ☐ Extensive ☐ Other disease (state) None

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for posting - labels supplied

DATES. Record	prepared	validated	date/initials checked
1-14-23, TL			

PLANTS - Use 1st labels of beans \rightarrow Pota, Pota-nogata
+ species if possible \rightarrow Pota, pata & Pota-nogata pata-nogata

Have you completed your expenses form this week? (send to FWD for signature!)

Envelopes supplied! Post completed films for processing. Labels supplied & stamped

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION:

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS:

Reference network site number: 4198
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: SU 466672 River: KENWET.
Date 5.1.1995 Time: 14:00 Surveyor name W. J. P. 16 AK 760
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None
Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)
Photographic general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☒ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM: (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/mk diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS: (Use 1-11 then indicate total number)

Riffles ☐ Unvegetated point bars ☐
Pools ☐ Vegetated point bars ☐
100m SWEEP-UP

Notes: Kenw. 100m 100m 100m

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end of site

PHYSICAL ATTRIBUTES: (to be assessed across channel within a 10m wide strip) (tick one box)

LEFT BANK: 100m SWEEP-UP
Bank material (fine) ☒ coarse ☐
Bank modification(s) ☒ none ☐
Bank feature(s) ☒ none ☐
CHANNEL: 100m SWEEP-UP
Channel substrate (fine) ☒ coarse ☐
Flow type (none) ☒ none ☐
Channel modification(s) ☒ none ☐
Channel feature(s) ☒ none ☐
RIGHT BANK: 100m SWEEP-UP
Bank material (fine) ☒ coarse ☐
Bank modification(s) ☒ none ☐
Bank feature(s) ☒ none ☐
RANK TOP LAND USE AND VEGETATION STRUCTURE: (to be assessed over a 10m wide transect)
Land use: choose one from PL, CP, HM, SC, SP, WL, GW, AL, TL, SW
LAND USE WITHIN 5m OF BANKTOP (S) 100m SWEEP-UP
LEFT BANK-TOP (structure within 1m) 100m SWEEP-UP
LEFT BANK FACE (structure) 100m SWEEP-UP
RIGHT BANK FACE (structure) 100m SWEEP-UP
RIGHT BANK-TOP (structure within 1m) 100m SWEEP-UP
LAND USE WITHIN 5m OF BANK TOP (S) 100m SWEEP-UP

G. CHANNEL VEGETATION TYPES: (fill in relevant boxes with one check and E (to 3% area) or 1 (green))

NONE ☐ 100m SWEEP-UP
LIVERWORT ☐ 100m SWEEP-UP
Emergent broad-leaved herbs ☐ 100m SWEEP-UP
Emergent reedy sedge/rosette ☐ 100m SWEEP-UP
Floating-leaved (free) ☐ 100m SWEEP-UP
Free-floating ☐ 100m SWEEP-UP
Amphibious ☐ 100m SWEEP-UP
Submerged - broad-leaved ☐ 100m SWEEP-UP
Submerged fine-leaved ☐ 100m SWEEP-UP
Phytoplankton, algae ☐ 100m SWEEP-UP

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or 1)

PLANTS - Use tick boxes of Green, 100m SWEEP-UP
+ species if possible of both parts a Potamogeton putidus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP: (Use E (to 3% banklength) or 1 if present)

100m SWEEP-UP

I. BANK PROFILES: (Use E (to 3% banklength) or 1 if present)

100m SWEEP-UP

J. EXTENT OF TREES AND ASSOCIATED FEATURES:

TREES: (tick one box per bank)
None ☐ Left ☐ Right ☐ Widespread ☐ E > 33% ☐ None ☐ Present ☐ Notes: 100m SWEEP-UP

ASSOCIATED FEATURES: (tick one box per feature)
Shading of channel ☐ 100m SWEEP-UP
Overhanging boughs ☐ 100m SWEEP-UP
Exposed bankside roots ☐ 100m SWEEP-UP
Underwater tree roots ☐ 100m SWEEP-UP
Fallen trees ☐ 100m SWEEP-UP
Coarse woody debris ☐ 100m SWEEP-UP

K. EXTENT OF CHANNEL FEATURES: (tick one box per feature)

100m SWEEP-UP

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS: (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK: 100m SWEEP-UP
Banking width (m) 130 RIGHT BANK: 100m SWEEP-UP
Banking height (m) 0.75 Water width (m) 110 Banking height (m) 0.75
Embedded height (m) 1.2 Water depth (m) 1.2 Embedded height (m) 1.2
If threshold lower than banking break in slope, indicate height (m) 1.2 width (m) 1.2
Bed material at site for consolidated (compact) ☐ unconsolidated (loose) ☒ volcanic ☐
Location of measurement in: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (1% only) 100m SWEEP-UP

M. ARTIFICIAL FEATURES: (Use 1-11 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 100m SWEEP-UP
Footbridges = 1 100m SWEEP-UP
Outfalls = 1 100m SWEEP-UP
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ 100m SWEEP-UP

N. EVIDENCE OF RECENT MANAGEMENT: (tick appropriate box)

dredging ☐ mowing ☐ Other? 100m SWEEP-UP
weed-cutting ☐ enhancement ☐ 100m SWEEP-UP

O. FEATURES OF SPECIAL INTEREST: (tick appropriate boxes)

CHANNEL: 100m SWEEP-UP
Waterfalls > 2m high ☐ Artificial open water ☐ Beg ☐ Other (state) 100m SWEEP-UP
Braided/ridge channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Loose debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL: (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES: (tick one box)

Ghost Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? 100m SWEEP-UP

R. BRIEF DESCRIPTION: (Use prompts and key words as appropriate)

Descriptive statement: 100m SWEEP-UP
Plants of note: 100m SWEEP-UP
Major conservation features: 100m SWEEP-UP
Major impacts: 100m SWEEP-UP
Incidental observations (animal life): 100m SWEEP-UP
IF FISHING IS TAKEN BY THE RIVER ☐ 100m SWEEP-UP
SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB
Envelopes supplied! Post completed forms for processing - labels supplied.

Have you completed your responses for this week? (send to PWD for signature!)

DATE, heard	named	initialed	initialed checked
-------------	-------	-----------	----------------------

PLANTS - Use 1st 4 laths of beams w/ Pota & Pota-nagston
+ species if possible w/ Pota pakt & Pota-nagston pakt-in-tun

Have you completed your exercises for this week? (send to FWD for signature!)

Envelopes supplied! Post completed files for processing. Labels supplied as requested.

NRA RIVER HABITAT SURVEY 1995: IFE, M.A.A. Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: L204
Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES JZ DH IH CC ML
Grid Reference: TQ 073606 River: WSEY
Date: 20/6/1995 Time: 12:30 Surveyor name: TS, TM, TH, IGA, K, TGM
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None
Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Photographs: general features? No ☐ Yes ☐ (tick one box) See N. 100m!
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave bowl + notes/other features

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/2 then indicate total number)

Riffles | Unvegetated point bars
Pools | Vegetated point bars
IFE - Ind - See survey report

National Rivers Authority

DATES, RECORD, PLANT, CHECKS

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 3m wide zone) (4) (tick one box)

Spot check 1 is at: upstream end of site (tick one) 1 2 3 4 5 6 7 8 9 10

LEFT BANK (tick one box) EA FA EA FA EA FA EA FA EA FA
Mat. BE, CO, CL, LA, PE, CL, CC, SP, NY, GA, BA, RA, BW
Bank features(s) ☒ NO, NO, SC, SC, PP, PP, SP, SP
CHANNEL NOTE: Use bank profile for channel modification
Channel substrate (one) NY, BE, CO, CL, LA, PE, CL, CC, SP, NY, GA, BA, RA, BW
Flow type (one) FF, CH, BW, UP, CP, AP, UP, SP, NP, NO
Channel modification(s) ☒ NO, NO, SC, SC, PP, PP, SP, SP
Channel features(s) ☒ NO, NO, SC, SC, PP, PP, SP, SP
RIGHT BANK (tick one box) EA FA EA FA EA FA EA FA EA FA
Mat. BE, CO, CL, LA, PE, CL, CC, SP, NY, GA, BA, RA, BW
Bank features(s) ☒ NO, NO, SC, SC, PP, PP, SP, SP
Bank features(s) ☒ NO, NO, SC, SC, PP, PP, SP, SP

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CL, NH, SC, SP, WL, OW, IG, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) IG WL WL WL WL WL WL WL WL WL
LEFT BANK-TOP (structure within 5m) BL CL LA PE CL CC SP NY GA BA RA BW
LEFT BANK FACE (structure) BL CL LA PE CL CC SP NY GA BA RA BW
RIGHT BANK FACE (structure) BL CL LA PE CL CC SP NY GA BA RA BW
RIGHT BANK-TOP (structure within 5m) BL CL LA PE CL CC SP NY GA BA RA BW
LAND USE WITHIN 5m OF BANK TOP (R) IG WL WL WL WL WL WL WL WL WL

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry per E (to 33% area) or (if present))

NONE (tick) ☒ Plant species (tick one)
Emergent broad-leaved herbs ☒
Emergent reedy sedges/grasses ☒
Floating-leaved (free) ☒
Free-floating ☒
Amphibious ☒
Submerged - broad-leaved ☒
Submerged fan-linear-leaved ☒
Filament, algae ☒

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V) ☒

PLANTS - Use the habitat of plants in the following section + species of plants of note past a 10m transect

Repeat 1

SITE NO. 4204 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or V if present)

	L	R		L	R
Broadleaved woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)	<input type="checkbox"/>	<input type="checkbox"/>
Coniferous plantation (CP)	<input type="checkbox"/>	<input type="checkbox"/>	Open water (OW)	<input type="checkbox"/>	<input type="checkbox"/>
Moorland/heath (MH)	<input type="checkbox"/>	<input type="checkbox"/>	Improved/reimproved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub (SC)	<input type="checkbox"/>	<input type="checkbox"/>	Tilled land (TL)	<input type="checkbox"/>	<input type="checkbox"/>
Rough pasture (RP)	<input type="checkbox"/>	<input type="checkbox"/>	Suburban/urban development (SU)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

I. BANK PROFILES (Use E (to 33% banklength) or V if present)

	L	R		L	R
Natural/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial/modified	<input type="checkbox"/>	<input type="checkbox"/>
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial revetment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Use this space to draw profile if different from above, after taking predominant bank					
	<input checked="" type="checkbox"/> Paved <input checked="" type="checkbox"/> Embankment <input checked="" type="checkbox"/> Set-back embankments				

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
None	Left	Right	None	Present	Notes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None			Present			Notes		
None	Present	Notes	None	Present	Notes	None	Present	Notes
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - silt	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Have you completed your squares for this week? (send 6 FND for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK: Banktop width (m) 26.0 RIGHT BANK: Banktop width (m) 1.0
Banktop height (m) 1.0 Water width (m) 22.0 Banktop height (m) 1.0
Embankment height (m) NK Water depth (m) NK Embankment height (m) NK

If threshold lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1/2 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State
weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL: Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Loose debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/2 or E (to 33% banklength) or V if present)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Downland channel - mostly SM, lined with trees
Plants of note (see 12d):
Major conservation features:
Major impacts:
Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied.

NRA RIVER HABITAT SURVEY 1995: IFB - M-1-A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4208

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TQ 406680 River: RAVENSBORNE

Date: 16/11/1995 Time: 09:30 Surveyor name: 66 M.L.V. W.D.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) See M.L.V. on!

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + NOTES/notes DIAGRAM

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 3 Unvegetated point bars

Pools 1 Vegetated point bars

IFE-M-1-A - See M.L.V. 1/11/13

National Rivers Authority

DATES: heard planned visited data

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)

Spot check 1 is at: upstream end ☐ mid-channel ☒ downstream end ☐ (Tick one)

LEFT BANK (look up)

Bank material (fine) EA EA EA CC

Bank modification(s) ☒ NO RS NO NO

Bank feature(s) ☒ NO VS VS NO NO

Channel active ☒ Use scale of 1-10

Channel substrate (fine) SP SP SP NV

Flow type (fine) UV UV NP NP

Channel modification(s) ☒ NO NO NO RI

Channel feature(s) ☒ NO NO NO

RIGHT BANK (look down)

Bank material (fine) EA EA EA CC

Bank modification(s) ☒ NO NO NO

Bank feature(s) ☒ NO NO VS VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, NH, IC, AP, WL, OW, AG, TL

LAND USE WITHIN 5m OF BANKTOP (L) IC IC IC

LEFT BANK-TOP (structure within 1m) U U U

RIGHT BANK-TOP (structure within 1m) U U U

RIGHT BANK FACE (structure) U U U

RIGHT BANK-TOP (structure within 1m) U U U

LAND USE WITHIN 5m OF BANK TOP (R) IC IC IC

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or V (percent))

NONE (tick) Plant genera (tick one)

Emergent broad-leaved E E

Emergent reeds/sedges/rushes E E

Floating-leaved (volant)

Free-floating

Amphibious

Submerged broad-leaved

Submerged fine-leaved

Filament, algae

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

PLANTS - Use 1st 4 digits of genus & 1st 2 digits of species if possible eg. Potamogeton pectinatus

Repeat 1

SITE NO. 4208 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or V if present)

Broadleaved woodland (BL) Wetland (eg bog, marsh, fen) (WZ)

Coniferous plantation (CP) Open water (OW)

Moorland/heath (BH) Improved/semi-improved grass (IG)

Scrub (SC) Tilled land (TL)

Rough pasture (RP) Suburban/urban development (SU)

I. BANK PROFILES (Use E (≥ 33% banklength) or V if present)

Natural/unmodified L R Artificial/modified L R

Vertical/unmodified 7-7 Reinforced E E

Vertical + toe 7-7 Reinforced - whole bank E E

Steep (>45°) 7-7 Reinforced - top only E E

Gentle 7-7 Reinforced - toe only E E

Composite 7-7 Artificial two-stage E E

Use this space to draw profile if different from above, after filling predominant box

Perched E E

Embanked E E

Set-back embankments E E

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☒ Left ☒ Right W.D.

Isolated/scattered ☒ Regularly spaced, single ☐ Occasional clumps ☐ Semi-continuous ☐ Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

E ≥ 33% None Present E

Shading of channel ☐ Overhanging boughs ☐ Exposed bankside roots ☐ Underwater tree roots ☐ Fallen trees ☐ Coarse woody debris ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfalls (free-fall) ☒ None ☐ Present ☐ Marginal deadwater - silt ☐ Exposed bedrock ☐ Exposed boulders ☐ Unvegetated mid-channel bars ☐ Vegetated mid-channel bars ☐ Mature island(s) ☐ Unvegetated side bars ☐ Vegetated side bars ☐

Scallop sequence ☒ Rapid(s) - midwater ☐ Riffle-pool sequence ☐ Run(s) - disturbed, rippled ☐ Bait(s) - upwellings ☐ Glide(s) - smooth, no eddies ☐

Have you completed your request form this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight, uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 4.0 RIGHT BANK

Banktop height (m) 1.2 Water width (m) 1.0 Banktop height (m) 1.0

Enhanced height (m) 0.1 Water depth (m) 0.1 Embankment height (m) 0.1

If bankline lower than banktop break in slope, indicates height (m) 1.0 width (m) 4.0

Bed material at site is: consolidated (temp) ☐ unconsolidated (none) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1/11 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = ☐ Weirs = ☐ Outfalls = ☐ Part of site ☐ Part of site ☐ Part of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other 1 state

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor) Artificial open water ☐ Bag ☐ Other (state)

Residual/old channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Lumpy debris ☐ Fen ☐ Flank ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE RARE PLANT SPECIES (Use 1/11 then indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other 2 state

R. BRIEF DESCRIPTION (Use prompt and 10 words as appropriate)

Descriptive sentence: Small GP channel top 1/2 - remainder cut by a weir

Plants of note (see 1/11): box RI, running through terraced courts.

Major conservation features:

Major impacts: RS/RI banks + long culvert (5 spot checks)

Incidental observations (initially only):

IFE channel only by M.L.V. 1/11/13

S. DISCERNIBLE ALIENS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other discernible alien ☐ State

SEND COMPLETED FORMS TO: JUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARWICK, CV35 9EB

Envelopes supplied! Post completed forms for forwarding. Labels supplied.

NRA RIVER HABITAT SURVEY 1995 <small>IF A - M - A - V</small> Page 1 of 4			
A. BACKGROUND MAP-BASED INFORMATION			
Altitude(m)	Slope (m/km)	Flow category (1-10)	
Solid geology code	Drift geology code	Planform category	
Distance from source(km)	Significant tributary ?	Navigation ?	
B. FIELD SURVEY DETAILS			
Reference network site number: <u>4209</u>			
Mid-section grid reference of network site (if different from designated location):			
COMPLETE THE FOLLOWING FOR ALL SITES			
Grid Reference: <u>TR 518605</u>		River: <u>DAREINT</u>	
Date: <u>16/1/1995</u>	Time: <u>13.45</u>	<div style="display: flex; justify-content: space-between;"> 78.7W 4 16 AK 7600 </div>	
Surveyor name (in full)		<div style="display: flex; justify-content: space-between;"> 6C MLE NE <u>N2</u> PD </div>	
Adverse conditions affecting survey? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state			
Bed of river visible? No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input checked="" type="checkbox"/> (tick one box)			
<div style="display: flex; align-items: center;"> <div> <p>special features</p> <p>Describe photographs: general character? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (pick one box)</p> <p>Existed - section with regard to features?</p> </div> </div>			
Site surveyed from: left bank <input type="checkbox"/> right bank <input type="checkbox"/> channel <input checked="" type="checkbox"/> (tick as appropriate)			
C. PREDOMINANT VALLEY FORM (tick one box only)			
 <input checked="" type="checkbox"/> shallow vee (see diag.)	 <input type="checkbox"/> terraced valley floor		
 <input type="checkbox"/> deep vee	 <input type="checkbox"/> symmetrical floodplain		
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain		
 <input type="checkbox"/> concave/bowl	+ NOTES/extra discussion		
D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use <u>11</u> then indicate total number)			
Riffles	Unvegetated point bars		
Pools	Vegetated point bars		

IF A - M - A - V - See river survey 1995

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles	Pools	Unvegetated point bars	Vegetated point bars										
Part 1: PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (4) (check 1 section) (4)													
Spot check 1 is at upstream end of transect	<input type="checkbox"/> of site (left bank)	1	2	3	4	5	6	7	8	9	10	11	12
LEFT BANK: (check 1 section)													
Bank material (fine)	FL, SO, CO, GL, SL, PE, CL	EA	BR	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO, SL, RI, BK, CM	NO	RI	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	AK, NO, EC, SC, RP, U, V	NO	NO	VS	NO	NO	NO	NO	NO	NO	NO	NO	VS
CHANNEL NOTE: (use the following aspects of interest)													
Channel substrate (fine)	FL, SO, CO, GL, SL, PE, CL	SA	EC	SA	SA	CP	CP	CP	CP	CP	CP	CP	CP
Flow type (fine)	FL, CL, BK, U, V, CP, RP, U, V, SL, NO	SM	NP	SA	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	AK, NO, SL, RI, BK, CM	NO	RI	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO, NO, AK, RI, BK, CM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: (check 1 section)													
Bank material (fine)	FL, SO, CO, GL, SL, PE, CL	EA	BR	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO, SL, RI, BK, CM	NO	RI	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	AK, NO, EC, SC, RP, U, V	NO	NO	NO	EC	VS	SC	NO	VS	SC	NO	VS	NO
Part 2: BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)													
Land use: choose one from FL, CP, NM, SC, RP, BL, GW, NO, TL, U													
LAND USE WITHIN 5m OF BANKTOP (1)	NL, EL, SC, SC, SC, SC, RP, RP, SC, SC	NL	EL	SC	SC	SC	SC	RP	RP	SC	SC	SC	SC
LEFT BANK-TOP (structure within 1m) (1)	S, S, S, S, U, U, S, S	S	S	S	S	U	U	S	S	S	S	S	S
LEFT BANK FACE (structure) (1)	S, B, U, U, S, U, S, U, S	S	B	U	U	S	U	S	U	S	U	S	U
RIGHT BANK FACE (structure) (1)	U, B, U, S, U, S, U, S, S	U	B	U	S	U	S	U	S	U	S	U	S
RIGHT BANK-TOP (structure within 1m) (1)	U, S, U, C, C, S, S, S, U, U	U	S	U	C	C	S	S	S	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (2)	SC, SC, SC, BL, BL, BL, RP, BL, G, G	SC	SC	SC	BL	BL	BL	RP	BL	G	G	G	G
Part 3: CHANNEL VEGETATION TYPES (all in adjacent bars with one survey use E (8-33% area) or F (greater))													
NONE (pick)	Plant genera (list them)												
Emergent													
Emergent broad-leaved herbs	Sparganium												
Emergent reedy	Scirpus												
Emergent reedy	Sparganium												
Flowering													
Flowering													
Free-floating													
Amphibious													
Submerged													
Submerged													
Submerged													
Filamentous algae													

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

SURVEY

SITE NO. <u>4209</u>		NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP		Page 3 of 4	
Habitat Land Use Within 50m of Banktop: Use E (in 1/3rd banklength) or ✓ if present					
L	R	L	R	L	R
Broadleaved woodland (BL)		Wetland (eg bog, marsh, fen) (WL)			
Coniferous plantation (CP)		Open water (OW)			
Moorland/heath (MH)		Improved/semi-improved grass (IG)	✓		
Scrub (SC)	✓	Tilled land (TL)			
Rough pasture (RP)	E E	Suburban/urban development (SU)			
Bank Profiles: Use E (in 1/3rd banklength) or ✓ if present					
Natural/unmodified	L R	Artificially modified	L R		
Vertical/undercut	Z Z	Reassembled			
Vertical + toe	Z	Reinforced - whole bank		✓	
Steep (> 45°)	E E	Reinforced - top only			
Gentle	~	Reinforced - toe only			
Composite		Artificial no-steps			
Use this space to draw profiles different from above, other striking predominated bank		Poached		✓	
		Embanked			
		Set-back embankments			
J ExtENT OF TREES AND ASSOCIATED FEATURES					
TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
None	Left Right WATER	E < 1/3%	None Present E Note		
Isolated/scattered	<input type="checkbox"/> <input type="checkbox"/>	Shading of channel	<input type="checkbox"/> <input checked="" type="checkbox"/> N/A		
Regularly spaced, single	<input type="checkbox"/> <input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/> <input checked="" type="checkbox"/> N/A		
Occasional clumps	<input checked="" type="checkbox"/> <input type="checkbox"/>	Exposed backside roots	<input checked="" type="checkbox"/> <input type="checkbox"/> N/A		
Semi-continuous	<input type="checkbox"/> <input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/> <input type="checkbox"/> N/A		
Continuous	<input type="checkbox"/> <input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/> <input type="checkbox"/> N/A		
		Cause woody debris	<input type="checkbox"/> <input checked="" type="checkbox"/> N/A		
K ExtENT OF CHANNEL FEATURES: (Tick one box per feature)					
Waterfall(s) – freefall	None Present E	Marginal dead-water – slack	None Present E Notes		
Cascades(s) – chute	<input checked="" type="checkbox"/> <input type="checkbox"/>	Exposed bedrock ()	<input type="checkbox"/> <input checked="" type="checkbox"/> N/A		
Step/pool sequence	<input checked="" type="checkbox"/> <input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/> <input type="checkbox"/> N/A		
Rapid(s) – whitewater	<input checked="" type="checkbox"/> <input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/> <input type="checkbox"/> N/A		
Riffle-pothole-mosaic	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/> <input type="checkbox"/> N/A		
Run(s) – disturbed, rippled	<input type="checkbox"/> <input checked="" type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/> <input type="checkbox"/> N/A		
Boil(s) – upwellings	<input type="checkbox"/> <input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/> <input type="checkbox"/> N/A		
Glide(s) – smooth, no eddies	<input type="checkbox"/> <input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/> <input checked="" type="checkbox"/> N/A		

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L & S CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK		RIGHT BANK	
Banktop height (m)	0.75	Banktop height (m)	0.5
Banktop height (m)		Banktop height (m)	
Banktop height (m)		Banktop height (m)	

If trushes lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only) _____

MISC. ARTIFICIAL FEATURES (Use ☒ to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = _____ Weirs = 2 _____ Outfalls = _____ Fords = _____

Footbridges = _____ Roadbridges = _____ Other = _____

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ ☐ First/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

eroding ☐ mowing ☐ Other? State _____

weed-cutting ☐ enhancement ☒ Branch removal / tree clearance ☒

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) _____

Brick/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☒ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use ☒ or ☐ to indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

R BRIEF DESCRIPTION (Use phrases and key words as appropriate)

Descriptive sentence: *Lower pool channel, mostly still SA, sensitive to*

Plants of note: (see list)

Major conservation feature:

Major Impact: *Modifications to improve fish habitat is deflected.*

Incidental observations (animals etc): *Small weirs etc.*

IF 2 channels run by the D filtered by

Phragmites purpureus

of a large extent. Zostera dense

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees ☐ State _____

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied.

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4211
 Mid-section grid reference of network site if different from designated location:

COMPLETES THE FOLLOWING FOR ALL SITES

Grid Reference: TQ707600 River: LEYBOENE STREAM
 Date: 11/5/1995 Time: 14:30 Surveyor name: T. J. W. P. H. A. K. T. G. W.
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)
 Photographs: general character? No ☐ Yes ☒ (tick one box) Site No. on map:

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes on sketch

D. NUMBER OF RIFFLES, POOLS, AND POINT BARS (Use 1-11 then indicate total number)

Riffles Unvegetated point bars
 Pools Vegetated point bars
 (If E=10, S=10, T=10, then indicate total number)

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at upstream end of site

	1	2	3	4	5	6	7	8	9	10	Total
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE	Use van bank for aspect of channel										
Channel substrate (fine)	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Flow type (fine)	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide band)	Land use: choose one from AL, CL, GL, SL, PL, VL, WL, OL, NL, SL, WL										
LAND USE WITHIN 5m OF BANKTOP (L)	SC	RL	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK TOP structure within 1m	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK FACE structure	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
RIGHT BANK FACE structure	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
RIGHT BANK TOP structure within 1m	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry: use E (to 33% area) or F (percent))	NONE (tick)										
Emergent broad-leaved herbs											
Emergent reeds/ sedges/ grasses											
Emergent leaves (ground)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine-leaved											
Filamentous algae											

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

NOTES - Use tick in boxes of types of plants/vegetation + species if possible eg. *Potamogeton pectinatus*

Repeat 1

SITE NO. 4211 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

I. LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or F (percent))

	L	R		L	R
Forest/woodland (RL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)	GR/EL	OT
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)	GR	W

J. BANK PROFILES (Use E (to 33% banklength) or F (percent))

	L	R		L	R
Natural/unmodified			Reinforced		
Vertical undercut			Reinforced - hole back		
Vertical + toe			Reinforced - top only		
Slope (> 45°)			Reinforced - toe only		
Gravel			Artificial two-stage		
Composite			Preached		
			Embanked		
			Set-back embankments		

Use this space to draw profile of different bank above, after making pre-bankmarked tree

K. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	WATER	E 33%	None	Present	Notes
None							
Isolated/scattered							
Regularly spaced, single							
Occasional clumps							
Semi-continuous							
Continuous							

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present	Notes
Shading of channel			
Overhanging boughs			
Exposed bankside roots			
Underwater tree roots			
Fallen trees			
Coarse woody debris			

L. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes
Waterfalls (W) - freefall			
Cascades (C) - chute			
Step/pool sequences			
Rapid(s) - whitewater			
Riffle-pool sequences			
Reefs (R) - submerged, rippled			
Boil(s) - upwellings			
Glides (G) - smooth, no eddies			

ASSOCIATED CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes
Marginal disturbance - silt			
Exposed bedrock			
Exposed boulders			
Unvegetated mid-channel bars			
Vegetated mid-channel bars			
Marshy island(s)			
Unvegetated side bars			
Vegetated side bars			

Have you completed your request form this week? (send to PND for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	14.0	RIGHT BANK
Banking height (m)	1.0	Water width (m) (2)	12.0
Embankment height (m)	1.0	Water depth (m)	1.0
		Banktop height (m)	1.0

If transition lower than banking break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ (tick one box)

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water level controlled by weirs/dam downstream? No ☐ Part of site ☐ Mouth/hole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ mowing ☐ Other? State: tree planting (tick)
 weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m equivalent)
Waterfalls > 5m high	Artificial open water
Embanked/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Care
	Marsh
	Flint

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11 indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R. WHILE DESCRIPTION (Use prompt and top words as appropriate)

Descriptive sentence: Modified, sluggish channel. SI substrate. Abundant algae.
 Plants of note: (see list)
 Major conservation features: Gravel pits along RHB.
 Major impacts: RS + STW.
 Incidental observations (animals etc): Abundant dragonflies. (Aeshna cyanea, Libellula cyanea, Coenagrion punctatum)

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased tree? State:

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied separately

NRA RIVER HABITAT SURVEY 1995: IFE & M.A.A. Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4217
Mid-section grid reference of network site (if different from designated location):
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: TR 322614 River: JL DH 1H CC ML
Date: 19/06/1995 Time: 12:00 Surveyor name: STONE
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, note:
Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)
Photographs: general characters? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM. (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes/mph diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS. (Use 1H then indicate total number)

Riffles Unvegetated point bars
Pools Vegetated point bars
IFE-M.A.A. - see over page 13

National Rivers Authority

DATES: record prepared with data checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed at each channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end of site ☐ downstream ☒ (tick one box)

LEFT BANK (tick one box per 1m wide zone)

Moist.	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

CHANNEL NOTE (tick one box per 1m wide zone)

Channel substrate (fine)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type (fine)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK (tick one box per 1m wide zone)

Moist.	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, MH, SC, RP, VE, GW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
LEFT BANK FACE (structure)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
RIGHT BANK FACE (structure)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
RIGHT BANK-TOP (structure within 1m)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
LAND USE WITHIN 5m OF BANK TOP (R)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA

G. CHANNEL VEGETATION TYPES (tick in vegetation boxes with one major use E to 33% area or 4 grasses)

NONE (tick)	Plant species (tick one)									
Emergent broad-leaved herbs										
Emergent reeds										
Emergent sedges										
Emergent grasses										
Free-floating										
Amphibious										
Submerged										
Submerged fine-leaved										
Floating algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V) ↑

LEFT BANKS - Use the width of channel to determine structure + species if possible eg. Pool, pool + Polyanthus, polyanthus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E to 33% banklength or 4 if present)

	L	R		L	R
Broadleaved/deciduous woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E to 33% banklength or 4 if present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/unmodified			Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Steep (> 45°)			Artificial two-stage		
Grass					
Composite					

Use 4th space to draw profile of channel from above, after taking predetermined base

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	Notes	Associated FEATURES (Tick one box per feature)	None	Present	Notes
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shaded deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>	Notes
Cascades(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequences	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequences	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Rune(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	
Glides(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your expenses form this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	12.0	RIGHT BANK		
Banktop height (m)	1.5	Water width (m)	7.0	Banktop height (m)	1.5
Banktop height (m)		Water depth (m)	2.0	Banktop height (m)	

If bankline lower than banktop break in slope, indicate: height (m) 0.2 width (m) 8.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1H to indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ moving ☐ Other? State:
weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Marsh
	Flush

P. CHOKED CHANNEL (Tick one box)

In 33% or more of the channel choked with vegetation? NO ☐ YES ☒ Enter amount: 100%

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1H to indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:
None ☒

R. BRIEF DESCRIPTION (Use prompts and key words of appropriate)

Descriptive sentence: Drainage ditch - open agricultural land. No trees.
Plants of note: (see 1H)
Major conservation features:
Major impacts: RS artificial ditch - lots of litter/debris.
Incidental observations (animals etc):
IFE channel complexity: 1 (tick one box)
DISEASED ALDKES (Tick one box)
None ☒ Present ☐ Extensive ☐ Other diseased trees? State:
SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, B120 6BB
Envelopes supplied! Post completed forms for processing - labels supplied

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Plankton category _____

Distance from source (km) _____ Significant tributary? _____ Navigation? _____

FIELD SURVEY DETAILS

Reference network site number: 4222 * water non plus marked

Mid-section grid reference of network site (if different from designated location) _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SJ 76 76524 River: DOWNSET FROM

Date: 11/5/1995 Time: 10:30 Surveyor name: 66 m4w No. 116 PDP

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state: water

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) Site No. 116

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on channel

NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 to indicate field numbers)

Riffles: 0 Unvegetated point bars: 1

Pools: 0 Vegetated point bars: 1

IFE = 1 - see page 1

Notes: head, pond, water, chert

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide zone)

Spot check 1 is at upstream end of site

LEFT BANK

Bank material (fine) SL, SD, CL, PL, SC, SW, VL, GW, RL, BU

Bank modification(s) NO, SL, PL, SC, SW, VL, GW, RL, BU

Bank features(s) NO, SL, PL, SC, SW, VL, GW, RL, BU

Channel substrate (fine) SL, SD, CL, PL, SC, SW, VL, GW, RL, BU

Flow type (fine) SL, SD, CL, PL, SC, SW, VL, GW, RL, BU

Channel modification(s) NO, SL, PL, SC, SW, VL, GW, RL, BU

Channel features(s) NO, SL, PL, SC, SW, VL, GW, RL, BU

RIGHT BANK

Bank material (fine) SL, SD, CL, PL, SC, SW, VL, GW, RL, BU

Bank modification(s) NO, SL, PL, SC, SW, VL, GW, RL, BU

Bank features(s) NO, SL, PL, SC, SW, VL, GW, RL, BU

BANK OF LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CL, PL, SC, SW, VL, GW, RL, BU

LAND USE WITHIN 5m OF BANKTOP (S)

LEFT BANK-TOP (structure within 1m) SL, SD, CL, PL, SC, SW, VL, GW, RL, BU

LEFT BANK FACE (structure) SL, SD, CL, PL, SC, SW, VL, GW, RL, BU

RIGHT BANK FACE (structure) SL, SD, CL, PL, SC, SW, VL, GW, RL, BU

RIGHT BANK-TOP (structure within 1m) SL, SD, CL, PL, SC, SW, VL, GW, RL, BU

LAND USE WITHIN 5m OF BANKTOP (S)

CHANNEL VEGETATION TYPES (tick in relevant boxes, with one entry per 10% area or 10m transect)

None ☐ Plant green ☐ (tick one box)

Unvegetated ☐ SL, SD, CL, PL, SC, SW, VL, GW, RL, BU

Emergent broad ☐ SL, SD, CL, PL, SC, SW, VL, GW, RL, BU

Emergent narrow ☐ SL, SD, CL, PL, SC, SW, VL, GW, RL, BU

Emergent reeds ☐ SL, SD, CL, PL, SC, SW, VL, GW, RL, BU

Emergent sedges ☐ SL, SD, CL, PL, SC, SW, VL, GW, RL, BU

Free-floating ☐ SL, SD, CL, PL, SC, SW, VL, GW, RL, BU

Amphibious ☐ SL, SD, CL, PL, SC, SW, VL, GW, RL, BU

Submerged ☐ SL, SD, CL, PL, SC, SW, VL, GW, RL, BU

Submerged float ☐ SL, SD, CL, PL, SC, SW, VL, GW, RL, BU

Fileweed, algae ☐ SL, SD, CL, PL, SC, SW, VL, GW, RL, BU

Use the 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (see E or V)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK

Banktop width (m) 17

Banktop height (m) 1.5

Banktop width (m) 1.5

Banktop height (m) 1.5

RIGHT BANK

Banktop width (m) 17

Banktop height (m) 1.5

Banktop width (m) 1.5

Banktop height (m) 1.5

Bed material at site is: consolidated (temp) ☐ unconsolidated (fine) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

ARTIFICIAL FEATURES (tick appropriate box)

None ☐ Number of Culverts = 1 weirs = 1 10.5

Footbridges = 1 Bankbridges = 1 Outfalls = 1 Fords = 1

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dragging ☐ mowing ☐ Other? Site

wood-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (tick appropriate box)

CHANNEL

Waterfalls > 1m high ☐ Artificial open water ☐ Bug ☐ Other (tick) Site

Brick/stone channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fens ☐ Flank ☐

CHOKED CHANNEL (tick one box)

Is 5% or more of the channel choked with vegetation? NO ☐ YES ☐

NOTABLE NUISANCE PLANT SPECIES (tick appropriate box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Site

BRIEF DESCRIPTION (tick appropriate box)

Major erosion features: Old mill house, 10m machinery, mill race, old hatches

Major impacts: CA's erosion on 10 bank - minor erosion. Erosion head near water 5%.

Incidental observations (animals etc):

IF Erosion is a problem, tick appropriate box

None ☐ Present ☐ Extensive ☐ Other (tick one box) Site

Have you completed your assessment from this work? (tick G and FWD for negative)

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRENHAM, BN30 6BB

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Platform category

Distance from source (km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site numbers: 4-224

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: ST 776572 River: UCCOCH 5.5 km

Date: 27.1.1995 Time: 15.50 Surveyor name: G. M. L. 40 126 P. 20

Adverse conditions affecting survey? No ☐ Yes ☒ If yes, state:

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM: (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/other features

D. E. NUMBER OF RIFLES, POOLS AND POINT BARS (Use 1-11, then indicate total numbers)

Rifles: 1 Unvegetated point bars: 0

Pools: 90% N.P. Vegetated point bars: 7

IFE = 1 - 500 (1000)

National Rivers Authority

JAMES, Richard named validated define checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Rifles

Spot check 1 in all 10 stream bed (1-11) (tick one box)

LEFT BANK

Bank material (fine) 100% COARSE GRAVEL

Bank modification (1-11) NO ALTERATION

Bank feature (1-11) NO

Channel feature (1-11) NO

Flow type (fine) 100% COARSE GRAVEL

Channel modification (1-11) NO

Channel feature (1-11) NO

RIGHT BANK

Bank material (fine) 100% COARSE GRAVEL

Bank modification (1-11) NO ALTERATION

Bank feature (1-11) NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (tick one box only)

Land use: choose one from 1-11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

LAND USE WITHIN 5m OF BANKTOP (1-11)

LEFT BANK-TOP (structure within 5m)

LEFT BANK FACE (structure)

RIGHT BANK-TOP (structure within 5m)

RIGHT BANK FACE (structure)

LAND USE WITHIN 5m OF BANK TOP (1-11)

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry: use 1-11 (1-11) or 12 (12))

NONE (tick)

LIVERWORTS/HEPATICAE

Emergent broad-leaved herbs

Emergent narrow-leaved herbs

Emergent sedge

Emergent grass

Free-floating

Amphibious

Submerged broad-leaved

Submerged fine-leaved

Filament, algae

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 100m line E or W

NOTES - Use 1-11 (1-11) or 12 (12) or 13 (13) or 14 (14) or 15 (15) or 16 (16) or 17 (17) or 18 (18) or 19 (19) or 20 (20) or 21 (21) or 22 (22)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (tick one box only)

LEFT BANK

RIGHT BANK

III. BANK PROFILES: (tick one box only)

LEFT BANK

RIGHT BANK

IV. EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per feature)

TREES

ASSOCIATED FEATURES

V. EXTENT OF CHANNEL FEATURES (tick one box per feature)

Channel

Bank

VI. EXTENT OF CHANNEL FEATURES (tick one box per feature)

Channel

Bank

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

I. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

RIGHT BANK

II. ARTIFICIAL FEATURES (tick one box only)

III. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

IV. FEATURES OF SPECIAL INTEREST (tick appropriate boxes)

Channel

Bank

V. CHOKED CHANNEL (tick one box)

VI. NOTABLE SUSANCE PLANT SPECIES (tick one box only)

VII. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Major conservation features: None

Major impacts: None

Incidental observations (animals etc): None

IFE (1-11) or 12 (12) or 13 (13) or 14 (14) or 15 (15) or 16 (16) or 17 (17) or 18 (18) or 19 (19) or 20 (20) or 21 (21) or 22 (22)

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for forwarding. Details supplied on request.

Have you completed your survey for this week? (tick & send for report!)

DATES. Record made (prepared) by individuals. Initials checks

~~PLANTS~~ - Use 1st 4 letters of genus & Pota, Pota myogaster
+ species if possible eg Pota pest & Pota myogaster festinatus

Have you completed your request for this week? (circle 6 and fill in the rest)

None ☒ Present ☐ Extensive ☐ Other disease trace? State

END COMPLETED FORMS TO: HUGH DANSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing. Details supplied as requested.

NRA RIVER HABITAT SURVEY 1995: 10m SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Platform category _____

Distance from source (km) _____ Significant tributary? _____ Navigation? _____

B. FIELD SURVEY DETAILS

Reference network site number: 4230

Mid-section grid reference of network site (if different from designated location): _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SM 574594 River: UN-NAMED R. 11

Date: 1st Oct 1995 Time: 14:15 Surveyor name: 66 mlt no 16

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Special features: None (tick one box)

Photographs: general characters? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/mh 7/10/11

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 16 Unvegetated point bars 2

Pools 7 Vegetated point bars 1

IFE = 16 + 2 + 7 = 25

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: 10m SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide zone)

Spot check 1 is at: upstream and downstream ☒ of site

LEFT BANK

Bank material (fine) 100% 0.075mm EA EA EA EA EA EA EA EA EA EA

Bank modification(s) None NO PC NO NO NO PC NO NO NO

Bank feature(s) None NO NO SC SC SC SC NO SC NO SB

CHANNEL NOTE None

Channel substrate (fine) 100% 0.075mm CP CP CP CP CP CP CP CP CP CP

Flow type (fine) 100% 0.075mm SM SM RP SM SM LW LW SM NP RP

Channel modification(s) None NO NO NO NO NO NO NO NO NO NO

Channel feature(s) None NO NO NO NO NO NO NO NO NO NO

RIGHT BANK

Bank material (fine) 100% 0.075mm EA EA EA EA EA EA EA EA EA EA

Bank modification(s) None NO PC NO NO NO NO NO NO NO

Bank feature(s) None NO NO SC SC SC SC NO SC NO SC

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: choose one from PL, CP, NM, IC, LP, VL, CL, RL, IL

LAND USE WITHIN 5m OF BANKTOP (L) 100% 0.075mm S U U U U U U U U U

LEFT BANK TOP (structure within 1m) 100% 0.075mm U U U U U U U U U U

LEFT BANK FACE (structure) 100% 0.075mm U U U U U U U U U U

RIGHT BANK FACE (structure) 100% 0.075mm U U U U U U U U U U

RIGHT BANK TOP (structure within 1m) 100% 0.075mm S S S U S S S S S S

LAND USE WITHIN 5m OF BANK TOP (R) 100% 0.075mm S L R L R L R L R L

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one except use E in 10% area or 10% area)

NONE ☒ Plant species (tick one)

Emergent broad-leaved herbs ☒ Ceratophyllum

Emergent narrow-leaved herbs ☐

Free-floating ☐

Amphibious ☐

Submerged, broad-leaved ☐

Submerged, narrow-leaved ☐

Filamentous algae ☐

Use the 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

Notes: hand named value below

Notes: Use the 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (tick one box per 10m)

Broadleaved woodland (BL) ☒ Wetland (eg bog, marsh, fen) (W) ☐

Coniferous plantation (CP) ☐ Open water (OW) ☐

Heathland/heath (H) ☐ Improved/semi-improved grass (IG) ☐

Scrub (SC) ☐ Tilled land (TL) ☐

Rough pasture (RP) ☐ Suburban/urban development (SU) ☐

I. BANK PROFILES (Use E in 10% banktop or 10% of profile)

Natural/unmodified ☒ Artificial/modified ☐

Vertical/horizontal ☒ Retention ☐

Vertical + toe ☒ Reinforced - whole bank ☐

Steep (> 45°) ☒ Reinforced - top only ☐

Grass ☒ Reinforced - toe only ☐

Composite ☒ Artificial two-stage ☐

Use this space to draw profile of channel from above, showing predominant features

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☐ Left ☐ Right ☐

Isolated/scattered ☐ Regularly spaced, single ☐ Occasional clumps ☐ Semi-continuous ☐ Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

None ☐ Present ☐ Noted ☐

Shading of channel ☐ Overhanging boughs ☐ Exposed bankside roots ☐ Underwater tree roots ☐ Fallen trees ☐ Coarse woody debris ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfalls ☐ Marginal deadwater - slack ☐

Cascades ☐ Exposed bedrock ☐

Drop/pool sequences ☐ Exposed boulders ☐

Rapids ☐ Unvegetated mid-channel bars ☐

Riffle-pool sequences ☐ Vegetated mid-channel bars ☐

Rough ☐ Mature island(s) ☐

Bank(s) - disturbed, rippled ☐ Unvegetated side bars ☐

Bank(s) - upwelling ☐ Vegetated side bars ☐

Glides ☐ Smooth, no eddies ☐

Have you completed your survey from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 3.0 RIGHT BANK

Banktop height (m) 0.5 Banktop height (m) 0.5

Banktop width (m) 0.5 Banktop width (m) 0.5

Banktop height (m) 0.5 Banktop height (m) 0.5

If bankline lower than bank top break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (IFE only) ☐

M. ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = ☐ Weirs = ☐ Outfalls = ☐ Ferds = ☐

Is water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Full of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: _____

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state): _____

Gravel/silt channels ☐ Natural open water ☐ Carr ☐

Dubly dams ☐ Water meadow ☐ Marsh ☐

Loosy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 10% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

R. BRIEF DESCRIPTION (Use prompt and key words as appropriate)

Descriptive sentence: Meandering channel, R/F pool sequence, natural banks

Plants of special interest: Gravel substrate - extensive side bars

Major conservation features: BL Rip ship or RIB

Major impacts: Abundant filamentous algae. Also lots of poaching

Incidental observations (animals etc): Water vole

IFE = 16 + 2 + 7 = 25

S. DISEASED ALBERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees ☐ State: _____

SEND COMPLETED FORMS TO: NICH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: IF & P-1-A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 4238

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TQ 367504 River: G-355 B-00K

Date: 09/06/1995 Time: 11:30

Supervisor name: G. M. V. N. (16) R-2

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general features? No ☐ Yes ☒ (tick one box) with site on!

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + NITE/with drainage

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 19 Unvegetated point bars 2

Pools 14 Vegetated point bars 2

IFE - mid - 500m sweep (13)

National Rivers Authority

JAMES, head 1995/06/06

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles: 19 Pools: 14 Unvegetated point bars: 2 Vegetated point bars: 2

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at upstream end of site (tick one)

1 2 3 4 5 6 7 8 9 10

LEFT BANK

Mat: NE, NO, CO, CL, EL, JE, CL, CC, SP, WF, GA, BA, BA, BW

Bank modification(s) ☒ NO, BA, BA, BA, BA, BA

Bank feature(s) ☒ MC, NO, JE, CL, SP, WF, BA, BA, BW

CHANNEL NOTE

Channel substrate (one) WF, BA, NO, CO, CL, GA, BA, BA, BW

Flow type (one) ST, CL, BA, WF, CL, SP, WF, BA, BA, BW

Channel modification(s) ☒ NO, BA, BA, BA, BA, BA

Channel feature(s) ☒ NO, BA, BA, BA, BA, BA

RIGHT BANK

Mat: NE, NO, CO, CL, EL, JE, CL, CC, SP, WF, GA, BA, BA, BW

Bank modification(s) ☒ NO, BA, BA, BA, BA, BA

Bank feature(s) ☒ NO, BA, BA, BA, BA, BA

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, NH, SC, AP, WL, OW, IG, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK TOP (structure within 1m) BA, SC

LEFT BANK FACE (structure) BA, SC

RIGHT BANK TOP (structure within 1m) BA, SC

RIGHT BANK FACE (structure) BA, SC

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one figure and E or 33% area) or 4 (present)

NONE (tick)

Plant genera (tick one)

Emergent broad-leaved herbs

Emergent reeds/sedges/rushes

Flowering-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerged fine-leaved

Filamentous algae

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or 33%)

NITE = Use 1st 4 digits of 500m sweep, 1st 2 digits of 100m sweep + species if possible

RESUMÉ 1

SITE NO. 4238 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or 4 if present)

Broadleaf/woodland (BL) Wetland (eg bog, marsh, fen) (W)

Coniferous plantation (CP) Open water (OW)

Moorland/heath (MH) Improved/semi-improved grass (IG)

Scrub (SC) Tilled land (TL)

Rough pasture (RP) Suburban/urban development (SU/STW)

I. BANK PROFILES (Use E (≥ 33% banklength) or 4 if present)

Natural/unmodified L R Artificial/modified L R

Vertical/undercut Vertical + toe

Steep (> 45°) Gentle

Composite

Use this space to draw profile if it differs from above, after filling predominant box

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

Left Right

None Isolated/scattered Regularly spaced, single Occasional clumps Semi-continuous Continuous

ASSOCIATED FEATURES (Tick one box per feature)

E ≥ 33% None Present E NITE

Shading of channel Overhanging boughs Exposed bankside roots Underwater tree roots Fallen trees Coarse woody debris

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall Cascades(s) - other

Slip/pool sequences Ripples(s) - sub-water Riffle-pool sequences

Runs(s) - disturbed, rippled Boil(s) - upwellings Glides(s) - smooth, no eddies

Marginal dead-water - slack Exposed bedrock Exposed boulders Unvegetated mid-channel bars Vegetated mid-channel bars

Marsh islands(s) Unvegetated side bars Vegetated side bars

Have you completed your request for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section; preferably across a riffle)

LEFT BANK Banktop width (m) 3.5

Banktop height (m) 0.5 Water width (m) 3.0

Banktop height (m) 0.5 Water depth (m) 0.5

Banktop height (m) 0.5 Embankment height (m)

If trashline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick "none" where appropriate)

No. of Culverts = Weirs = Roadbridges = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drudging ☐ moving ☐ Other? State:

wood-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state):

Brick/drain channels ☐ Natural open water ☐ Carr ☐

Debris dams ☒ Water meadow ☐ Marsh ☒

Leafy debris ☒ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use E or 33% area) or 4 (present)

Giant Hogweed Himalayan Balsam Japanese Knotweed Other? State:

R. BRIEF DESCRIPTION (Use prompt and 10 words or appropriate)

Descriptive statement: Tree-lined meandering channel - RF (Pool) sequence

Plants of note: (tick one)

Major conservation features: Nothing special

Major impacts: STW, etc. - no riverine life

Incidental observations (animals etc):

IFE channel can be taken B. filtered

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 4BB

Envelopes supplied! Post completed form for posting. Labels supplied.

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4239
Mid-section grid reference of network site if different from designated location:
COMPLET THIS FOLLOWING FOR ALL SITES
Grid Reference: 70486565 River: DARENT
Date: 1.16/1995 Time: 12:00 Surveyor name: JB, TM, PH, I, AK, TM
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general channel? No ☐ Yes ☐ (tick one box) 50m
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + NILES/mh 7/1995

D. NUMBER OF RIFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Rifles 10 Unvegetated point bars 4
Pools 5 Vegetated point bars 4
IFE = 10 + 5 + 4 = 19

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 in at upstream end of site

LEFT BANK (looking downstream)

Bank material (fine) BR BR EA EA EA EA EA EA EA EA
Bank modification(s) RI RI RI NO NO NO NO NO NO NO
Bank features(s) NO NO NO NO NO NO VP NO VP VP
Channel substrate (fine) SP SP SA SI GP SP GP SP SI SP
Flow type (fine) RP RP NP NP NP NP NP NP NP NP
Channel modification(s) NO NO NO NO NO NO NO NO NO
Channel features(s) NO NO NO NO NO NO NO NO NO

RIGHT BANK (looking downstream)

Bank material (fine) EA EA EA EA EA EA EA EA EA EA
Bank modification(s) NO NO NO NO NO NO NO NO NO
Bank features(s) SC SC NO NO NO SC SC NO SC SC

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use chosen one from: BL, CL, DL, EL, FL, GL, HL, IL, OL, PL, SL, TL, UL, VL, WL, XL, YL, ZL

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) U S S S S C U U U S
LEFT BANK FACE (structure) B B U U U S U U U
RIGHT BANK-TOP (structure within 1m) U U S S S U U U U
RIGHT BANK FACE (structure) S S S S S S S S S
LAND USE WITHIN 5m OF BANK TOP (R) BL EL SU SU SU SC BL BL RP RP

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (2-3% area) or L (greater))

NONE (tick)

Plant genera (tick one)

Free-floating

Amphibious

Submerged - broad-leaved

Submerged fine-leaved

Filamentous, algae

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or L)

Light = the 10m width of channel is free of vegetation + species of plants of note present in Potamogeton pastures

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (the E (2-3% banklength) or L (greater))

LEFT BANK

Broadleaved woodland (BL) ☒
Coniferous plantations (CP) ☐
Heathland/shrub (HL) ☐
Scrub (SC) ☐
Rough pasture (RP) ☐
Tilled land (TL) ☐
Suburban/urban development (SU) ☐
Artificially modified ☐
Vertical + tree ☐
Steep (> 45°) ☐
Grass ☐
Composite ☐
Use this space to draw profile of channel from above, other using groundplan view

RIGHT BANK

Wetland (eg bog, marsh, fen) (WL) ☐
Open water (OW) ☐
Improved/unimproved grass (IG) ☐
Tilled land (TL) ☐
Suburban/urban development (SU) ☐
Artificially modified ☐
Vertical + tree ☐
Steep (> 45°) ☐
Grass ☐
Composite ☐
Use this space to draw profile of channel from above, other using groundplan view

I. BANK PROFILES (Use E (2-3% banklength) or L (greater))

Natural/unmodified ☐
Vertical + tree ☐
Steep (> 45°) ☐
Grass ☐
Composite ☐
Use this space to draw profile of channel from above, other using groundplan view

J. EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per feature)

TREES (tick one box per bank)

None ☐
Isolated/scattered ☐
Regularly spaced, single ☐
Occasional clumps ☐
Scal-continuous ☐
Continuous ☐

ASSOCIATED FEATURES (tick one box per feature)

None ☐
Shading of channel ☐
Overhanging branches ☐
Exposed bankside roots ☐
Underwater tree roots ☐
Fallen trees ☐
Coarse woody debris ☐

K. EXTENT OF CHANNEL FEATURES (tick one box per feature)

Waterfall(s) - freefall ☐
Cascades(s) - chute ☐
Shoalpool sequence ☐
Rapid(s) - whitewater ☐
Riffle-pool sequence ☐
Run(s) - disturbed, rippled ☐
Boil(s) - upwellings ☐
Glide(s) - smooth, no eddies ☐

None ☐
Present ☐
Marginal subwaters - slack ☐
Exposed bedrock ☐
Exposed boulders ☐
Unvegetated mid-channel bars ☐
Vegetated mid-channel bars ☐
Marsh island(s) ☐
Unvegetated side bars ☐
Vegetated side bars ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 5.5 RIGHT BANK

Banktop height (m) 0.75 Water width (m) 5.0 Banktop height (m) 0.75
Embarked height (m) 0.1 Water depth (m) 0.1 Embarked height (m) 0.1

If bankline lower than banktop break in slope, indicate height (m) 0.5 width (m) 5.0

Bed material at site is: consolidated (temp) ☐ unconsolidated (fine) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (tick one box per feature, tick "none" where appropriate)

None ☐ Number of Culverts = 2 Weirs = 0 Outfalls = 0 Fords = 0
In water level controlled by weir/dam downstream? No ☒ Part of site ☐ Other ☐ (tick one box)

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dragging ☐ moving ☐ Other? Site
weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (tick appropriate boxes)

CHANNEL

Waterfalls > 5m high ☐
Braided/riffle channels ☐
Debris dams ☐
Loose debris ☐

FLOODPLAIN (50m corridor)

Artificial open water ☐
Natural open water ☐
Water meadow ☐
Fen ☐

Bog ☐
Carr ☐
Marsh ☐
Flood ☐

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (tick one box per species)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Site Nettle

R. BRIEF DESCRIPTION (Use prompt and key words to describe site)

Descriptive sentence: Swift GP channel, mostly Riffle-Pool sequence.
Flats of note (see list): Large private garden, with BL Riparian zone.
Major conservation features: Meandering in lower 1/2 with VP + SC/EC.
Major impacts: Some modification at top end in garden.
Incidental observations (animals etc):

IFE channel is not a Nettle (Colony of spiders)

S. PRELIMINARY ASSESSMENT (tick one box per feature)

None ☐ Present ☐ Extensive ☐ Other (tick one box) Site

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 4BB

Envelopes supplied! Post completed form for processing. Labels supplied.

Have you completed your enquiries for this week? (Send to PHD for signature!)

DATES. Record
1-19-21, 22

PLANTS - Use 1st 4 letters of genus \rightarrow Pol. + Pol. myceta
+ species if possible \rightarrow Pol. peck + Pol. myceta peckiana

Have you completed your enquiries for this week? (send to F&B for signature!)

Envelopes supplied! Post completed files for processing. Labels supplied as requested.

NRA RIVER HABITAT SURVEY 1995: IFB - A-A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 4243
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES JZ DH IH CC ML
Grid Reference: TW 873515 River: LEN
Date: 20/06/1995 Time: 09:30 Surveyor name: G.C. M.A. W. (tick one box)
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Invertebrate photographs: general character? No ☐ Yes ☒ (tick one box) *Site N, m!*
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + NOTES/extra:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles ☒ Unvegetated point bars ☒
Pools ☐ Vegetated point bars ☐
(If E - tick - see survey notes)

National Rivers Authority

J.H.S. record prepared initial late checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles **Pools** **Unvegetated point bars** **Vegetated point bars**

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box) (tick one box) (tick one box) (tick one box)

Spot check 1 is at: upstream ☐ at site ☒ downstream ☐ (tick one box)

LEFT BANK (looking downstream)

Mat. ☒ RS ☒ RS ☒ RS ☒ RS ☒ RS ☒ RS ☒ RS ☒ RS ☒ RS

Bank modification(s) ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO

Bank feature(s) ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO

CHANNEL (looking downstream)

Channel substrate (one) ☒ SI ☒ SI ☒ SI ☒ SI ☒ SI ☒ SI ☒ SI ☒ SI ☒ SI

Flow type (one) ☒ NP ☒ NP ☒ NP ☒ NP ☒ NP ☒ NP ☒ NP ☒ NP ☒ NP

Channel modification(s) ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO

Channel feature(s) ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO

RIGHT BANK (looking downstream)

Mat. ☒ RS ☒ RS ☒ RS ☒ RS ☒ RS ☒ RS ☒ RS ☒ RS ☒ RS

Bank modification(s) ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO

Bank feature(s) ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, AP, WL, OW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC

LEFT BANK FACE (structure) ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC

RIGHT BANK FACE (structure) ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC

RIGHT BANK-TOP (structure within 1m) ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC

LAND USE WITHIN 5m OF BANK TOP (R) ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC ☒ SC

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (to 33% area) or if present)

NONE (tick) ☒ Mont. grass (tick one box)

Emergent broad-leaved ☒ E ☒ E ☒ E ☒ E ☒ E ☒ E ☒ E ☒ E ☒ E

Emergent reed/sedge/rush ☒ E ☒ E ☒ E ☒ E ☒ E ☒ E ☒ E ☒ E ☒ E

Floating-leaved (tick one box)

Free-floating ☐

Amphibious ☐

Submerged - broad-leaved ☐

Submerged fine-leaved ☐

Flameweed ☐

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

NOTES - Use 1-11 for types of grasses, reeds, sedges, rushes + species if possible as part of a vegetation profile

Repeat 1

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or if present)

BL Broadleaf/mixed woodland (BL) ☒ WL Wetland (eg bog, marsh, fen) (WL) ☐
CP Coniferous plantation (CP) ☐ OW Open water (OW) ☐
MH Moorland/heath (MH) ☐ IG Improved/unimproved grass (IG) ☐
SC Scrub (SC) ☒ TL Tilled land (TL) ☐
RP Rough pasture (RP) ☐ SU Suburban/urban development (SU) ☐

I. BANK PROFILES (Use E (to 33% banklength) or if present)

Natural/unmodified ☒ Artificial/unmodified ☐
Vertical/undercut ☒ Reinforced ☐
Vertical + toe ☒ Reinforced - whole bank ☐
Steep (>45°) ☒ Reinforced - top only ☐
Gentle ☒ Reinforced - toe only ☐
Composite ☐ Artificial two-stage ☐
Use this space to draw profile if different from above, after using predominant box ☒ Embanked spoil ☐
Patched ☐
Set-back embankments ☐

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☒ Left ☐ Right ☐ *Notes*
Isolated/scattered ☐
Regularly spaced, single ☐
Occasional clumps ☐
Semi-continuous ☐
Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

E > 33% ☐ None ☐ Present ☐ *Notes*
Shading of channel ☐
Overhanging boughs ☐
Exposed bankside roots ☐
Underwater tree roots ☐
Fallen trees ☐
Coarse woody debris ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall ☒ None ☐ Present ☐ *Notes*
Cascades(s) - chute ☒
Step/pool sequence ☒
Rapid(s) - whitewater ☒
Riffle-pool sequence ☒
Run(s) - disturbed, rippled ☒
Bail(s) - spilling ☒
Slide(s) - smooth, no eddies ☒

Marginal dead-stick - silt ☐
Exposed bedrock ☐
Exposed boulders ☐
Unvegetated mid-channel bars ☐
Vegetated mid-channel bars ☐
Mature island(s) ☐
Unvegetated side bars ☐
Vegetated side bars ☐

Have you completed your expenses form this week? (send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK ☒ Right bank width (m) 0.75 ☒ RIGHT BANK ☒
Banktop height (m) 0.25 ☒ Water width (m) 0.5 ☒ Banktop height (m) 0.25 ☒
Embanked height (m) ☐ Water depth (m) 0.0 ☒ Embankment height (m) ☐
If transect low or less than banktop break in slope, indicate: height (m) ☐ width (m) ☐
Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only) ☐

M. ARTIFICIAL FEATURES (Use 1-11 to indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 2 ☒ Weirs = ☐ Roadbridges = ☐ Outfalls = ☐ Fords = ☐
Footbridges = ☐ Other = ☐
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ moving ☐ Other? State:

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL ☒ FLOODPLAIN (50m corridor) ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) ☐
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☒ Water meadow ☐ Marsh ☐
Leafy debris ☒ Fun ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate) (The Scales)

Descriptive sentence: Small wide-lined channel - obviously RS in past with
Plants of note: (see 1-11) embanked spoil!!
Major conservation features: BL woodland (opposite of survey reach) Marsh
Major impacts: RS banks + reconstruction of roadway (M20)
Incidental observations (animals etc): Green woodpecker.

IFE 3 channel only (tick one box)

S. DISEASED ALDERS (tick one box)

None ☐ Present ☒ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for forwarding (labels supplied)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☐ of site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 5m wide transect)

1	2	3	4	5	6	7	8	9	10
Met. = Metrol									
LEFT BANK									
Met. = Metrol									
Bank modification(s)									
Bank feature(s)									
CHANNEL									
Channel substrate									
Flow type									
Channel modification(s)									
Channel feature(s)									
RIGHT BANK									
Met. = Metrol									
Bank modification(s)									
Bank feature(s)									

BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CL, ML, SL, RP, VL, OW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	CL	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m)	RL	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP
LEFT BANK FACE (structure)	RL	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP
RIGHT BANK FACE (structure)	RL	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP
RIGHT BANK-TOP (structure within 1m)	RL	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP
LAND USE WITHIN 5m OF BANK TOP (R)	RP	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP

CHANNEL VEGETATION TYPES (fill in relevant boxes with 'X' in 10% area or '1' if greater)

NONE (tick as appropriate)	1	2	3	4	5	6	7	8	9	10
Emergent broad-leaved herbs										
Emergent narrow-leaved herbs										
Emergent sedge/scrub										
Flowering (reeds)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Submerged algae										

Use 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☐ of site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 5m wide transect)

1	2	3	4	5	6	7	8	9	10
Met. = Metrol									
LEFT BANK									
Met. = Metrol									
Bank modification(s)									
Bank feature(s)									
CHANNEL									
Channel substrate									
Flow type									
Channel modification(s)									
Channel feature(s)									
RIGHT BANK									
Met. = Metrol									
Bank modification(s)									
Bank feature(s)									

BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CL, ML, SL, RP, VL, OW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	CL	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m)	RL	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP
LEFT BANK FACE (structure)	RL	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP
RIGHT BANK FACE (structure)	RL	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP
RIGHT BANK-TOP (structure within 1m)	RL	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP
LAND USE WITHIN 5m OF BANK TOP (R)	RP	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP

CHANNEL VEGETATION TYPES (fill in relevant boxes with 'X' in 10% area or '1' if greater)

NONE (tick as appropriate)	1	2	3	4	5	6	7	8	9	10
Emergent broad-leaved herbs										
Emergent narrow-leaved herbs										
Emergent sedge/scrub										
Flowering (reeds)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Submerged algae										

Use 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☐ of site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 5m wide transect)

1	2	3	4	5	6	7	8	9	10
Met. = Metrol									
LEFT BANK									
Met. = Metrol									
Bank modification(s)									
Bank feature(s)									
CHANNEL									
Channel substrate									
Flow type									
Channel modification(s)									
Channel feature(s)									
RIGHT BANK									
Met. = Metrol									
Bank modification(s)									
Bank feature(s)									

BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CL, ML, SL, RP, VL, OW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	CL	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m)	RL	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP
LEFT BANK FACE (structure)	RL	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP
RIGHT BANK FACE (structure)	RL	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP
RIGHT BANK-TOP (structure within 1m)	RL	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP
LAND USE WITHIN 5m OF BANK TOP (R)	RP	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP

CHANNEL VEGETATION TYPES (fill in relevant boxes with 'X' in 10% area or '1' if greater)

NONE (tick as appropriate)	1	2	3	4	5	6	7	8	9	10
Emergent broad-leaved herbs										
Emergent narrow-leaved herbs										
Emergent sedge/scrub										
Flowering (reeds)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Submerged algae										

Use 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☐ of site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 5m wide transect)

1	2	3	4	5	6	7	8	9	10
Met. = Metrol									
LEFT BANK									
Met. = Metrol									
Bank modification(s)									
Bank feature(s)									
CHANNEL									
Channel substrate									
Flow type									
Channel modification(s)									
Channel feature(s)									
RIGHT BANK									
Met. = Metrol									
Bank modification(s)									
Bank feature(s)									

BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CL, ML, SL, RP, VL, OW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	CL	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m)	RL	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP
LEFT BANK FACE (structure)	RL	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP
RIGHT BANK FACE (structure)	RL	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP
RIGHT BANK-TOP (structure within 1m)	RL	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP
LAND USE WITHIN 5m OF BANK TOP (R)	RP	CL	RP <td>RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td></td>	RP <td>RP <td>RP <td>RP <td>RP </td></td></td></td>	RP <td>RP <td>RP <td>RP </td></td></td>	RP <td>RP <td>RP </td></td>	RP <td>RP </td>	RP

CHANNEL VEGETATION TYPES (fill in relevant boxes with 'X' in 10% area or '1' if greater)

NONE (tick as appropriate)	1	2	3	4	5	6	7	8	9	10
Emergent broad-leaved herbs										
Emergent narrow-leaved herbs										
Emergent sedge/scrub										
Flowering (reeds)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Submerged algae										

Use 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream and ☒ downstream and ☐ of site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide zone)

Mat. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	CA	CO	CO	EA	EA	CO	CO	EA	EA
Mat. = BE, PO, CO, GS, LA, FE, CL, CC, SP, ST, GL, BA, PL, SW	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	SB	EC	SA	NO	EC	EC	EC	NO	NO
CHANNEL	CO	CO	CO	CO	BO	BP	BO	CO	CO	CO
Channel substrate	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type	RP	SM	WW	WW	BP	EP	EW	EW	WW	WW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	RO	RO	RO	NO	RO	RO	RO	RO	RO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. = BE, PO, CO, GS, LA, FE, CL, CC, SP, ST, GL, BA, PL, SW	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SB	NO	SB	NO	NO	SB	SB	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, ML, SC, RP, WL, OF, NO, TL, TU

LAND USE WITHIN 5m OF BANKTOP (L)

RP	SC	RP	SC	RP	RP	RP	RP	RP	SC
U	C	S	S	S	S	S	S	S	S

LEFT BANK-TOP (structure within 1m) **NO/SC**

LEFT BANK FACE (structure) **NO/SC**

RIGHT BANK-TOP (structure within 1m) **NO/SC**

RIGHT BANK FACE (structure) **NO/SC**

LAND USE WITHIN 5m OF BANKTOP (R)

BL	EL	BL	BL	BL	EL	BL	BL
BL	EL	BL	BL	BL	EL	BL	BL

G. CHANNEL VEGETATION TYPES (all in relevant boxes with one entry, max. 2 (2 1/2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000)

PAINTS

PAINTS

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at our site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	8.25	RIGHT BANK
Banktop height (m)	1.4	Water width (m)	4.5
Banktop height (m)	1.4	Water depth (m)	0.7
Banktop height (m)	1.4	Banktop height (m)	1.4

If trueflow lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (1% only)

M. ARTIFICIAL FEATURES (Use 1-10 to indicate total number, tick none where appropriate)

None ☐ Number of: Culverts = ☐ Weirs = ☐ Outfalls = ☐ Fords = ☐
 Piers/bridges = ☐ Other = ☐

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State ☐
 weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) ☐
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water in shadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (List prompt and 10, record as appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other? State ☐

R. BRIEF DESCRIPTION (Use prompt and 10, record as appropriate)

Descriptive statement: High gulch, braided stream - many deposited
 Plants of note: on margin, south/side banks, crossing esp
 on left, Canada - white water with
 Major concern features: short, rippled - some runs + glides. Extensive
 marginal silt/water - with "matted" foliage
 Major impacts: dippers, grey wagtails
 Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other (diseased trees) State ☐

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

PAINTS

PAINTS

14452

P-09428-TLP-49421.75

140521

BACKGROUND MAP-BASED INFORMATION

DATES. Record prepared: initiated - dates

DATES. Record prepared: initiated - dates

[illegible]

PLANTS - Use 1st 4 letters of Genus \rightarrow Pota, Pota, negation
+ species if possible eg Pota past & Pota negation pastative

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably near a riffle)

LEFT BANK		Banktop width (m)	6.5	RIGHT BANK	
Banktop height (m)	1.25	Water width (m)	8.5	Banktop height (m)	2
Embankment height (m)		Water depth (m)	1	Embankment height (m)	

If bankline lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFR only) _____

ARTIFICIAL FEATURES (tick ☐ indicates total number, not "none", where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Ponds = _____
Footbridges = _____ Weirbridges = _____ Other = _____

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ ☐ Mouth hole of site ☐

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

drifting ☐ moving ☐ Other? State _____
weeding ☐ enhancement ☒ (tick one box)

FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL	FLOODPLAIN (don't consider)		
Watersheds > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state) _____
Braided/riffle channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Cart <input type="checkbox"/>	
Debris dams <input checked="" type="checkbox"/>	Water meadow <input type="checkbox"/>	Mere <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flood <input type="checkbox"/>	

CROOKED CHANNEL (tick one box)

Is 35% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE NURSERY PLANT SPECIES (tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

BRIEF DESCRIPTION (tick prompt and key words as appropriate)

Descriptive features: an unweeded channel with a terrace in a floodplain on deep sand silt/clay
channels its drainage is to the right bank, where it joins a stream
of water in the substrate, natural debris in water, a few large stones in places

State of bank: wet

Key conservation features: 125 m

Key impacts: Encroachment from willow growing in boundary ditch, Gordon refuse - etc of
water in channels by the edge of the ditch, in high fresh flow, a few trees
occasional overhanging banks etc. Growth of water, a few trees, a few trees
with only a few trees in the water, a few trees in the water, a few trees in the water

Notes on it took time to see, a few trees - young birds seen, a few trees in the water, a few trees in the water, a few trees in the water

FEEDBACK (tick one box)

None ☐ Partial ☐ Extensive ☐ Other discuss brief State _____

END COMPLETED FORM TO: HUGH DAWSON, IFR, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

SITE NO. 422-2 NRA RIVER HABITAT SURVEY 1995; 500m SWEET-UP Page 3 of 3

II. LAND USE WITHIN 50m OF BANKTOP. Use E (to 33% banklength) or I if present.

	L	R		L	R
Forest/unimproved woodland (FL)			Wetland (eg bog, marsh, fen) (W)		
Open/forest plantations (OP)			Open water (OW)		
Meadow/heath (MH)			Improved/semi-improved grass (IG)	E	E
Scrub (SC)		✓	Tilled land (TL)		
Developed pasture (DP)			Suburban/urban development (SU)	E	

I. BANK PROFILES: Use E (to 33% banklength) or I if present.

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/cutbank		E	Reinforced		E
Vertical + toe			Reinforced - whole bank		W
Step (> 15%)		E	Reinforced - top only		
Cut-toe			Reinforced - toe only		
Composite			Artificial re-terrace		
Use 2 to represent two profiles Use 3 to represent three, etc. Also sketch preferred bank			Fetchbank		
			Embankment		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	Notes	ASSOCIATED FEATURES (Tick one box per feature)			Notes	
	L	R		E	33%	None	Present	
None	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Inland/terrestrial	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present	Notes
Water(s) - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal downcut - alkali	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Channel(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Step-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - submerine	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marsh island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s) - spilling/slide	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gravel(s) - smooth, no debris	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Have you completed your requests for this week? (said to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Platform category
 Distance from source (km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: L275
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES JL DH IH CC ML
 Grid Reference: TR 322480 River: SALFORDS STREAM
 Date: 20.06.1995 Time: 15:00 Surveyor name: JB, TW, PH, LG, AK, JGM
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Photographs: general character? No ☐ Yes ☐ (tick one box)
 Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/other diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles ☒ Unvegetated point bars ☒
 Pools ☒ Vegetated point bars ☒
 National Rivers Authority

JMES, record framed initial details

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream ☐ of site ☒ (tick one)

LEFT BANK: low lying downstream
 Mat. SL, SO, CO, GL, LA, PT, CL, CP, SP, WT, CA, BA, AR, BW
 Bank modification(s) ☒ NO, AL, FC, BA, EN
 Bank feature(s) ☒ NO, SC, SC, SP, WT, BA, VS
CHANNEL NOTE: use the bank of the channel
 Channel substrate (fine) SL, SO, CO, GL, LA, PT, CL, CP, SP, WT, CA, BA, AR, BW
 Flow type (fine) FT, CH, BW, WT, CP, SP, WT, CA, BA, AR, BW
 Channel modification(s) ☒ NO, AL, FC, BA, EN
 Channel feature(s) ☒ NO, SC, SC, SP, WT, BA, VS
RIGHT BANK: low lying downstream
 Mat. SL, SO, CO, GL, LA, PT, CL, CP, SP, WT, CA, BA, AR, BW
 Bank modification(s) ☒ NO, AL, FC, BA, EN
 Bank feature(s) ☒ NO, SC, SC, SP, WT, BA, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CP, HR, SC, AP, WL, GW, IG, RU

LAND USE WITHIN 5m OF BANKTOP (L) SL, CP, HR, SC, AP, WL, GW, IG, RU
 LEFT BANK-TOP (structure within 1m) BRUSC
 LEFT BANK FACE (structure) BRUSC
 RIGHT BANK-TOP (structure within 1m) BRUSC
 RIGHT BANK FACE (structure) BRUSC
 LAND USE WITHIN 5m OF BANK TOP (R) SL, CP, HR, SC, AP, WL, GW, IG, RU

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one crop; use E (in 33% area) or F (present))

NONE (tick) ☒ Montaguera (faint) ☐
 LIVERWORT ☐
 SPERMATOPHYTES ☐
 EMERGENT broad-leaved herbs ☐
 EMERGENT reeds ☐
 Floating-leaved (rooted) ☐
 Free-floating ☐
 Amphibious ☐
 Submerged ☐
 Submerged fine-leaved ☐
 Filamentous algae ☐

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

Notes: Use tick marks of Green, Yellow, Red, Orange + species of possible of Pota part of vegetation

REFAT 1

SITE NO. L275 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F if present)

	L	R		L	R
Broadleaved/mailed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coastal/estuarine (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced (STEEP)		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above using predominant line					
	Pooled <input type="checkbox"/> Embanked <input type="checkbox"/> Set-back embankments <input type="checkbox"/>				

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	Notes	None	Present	Notes
None	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present	Notes
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes
Waterfall(s) - freefall	<input type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - mid-water	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	
Pool(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	
Glides(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your copies from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK: Banktop width (m) 1.25 Water width (m) 1.25 Banktop height (m) 1.25
 Banktop height (m) 1.25 Water depth (m) 0.5 Embanked height (m) 0.5

If bankline lower than banktop break in slope, indicate: height (m) 0.5 width (m) 0.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1/1 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 2 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 2 Roadbridges = 0 Other = 0
 Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: None
 weed-cutting ☐ reinforcement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL: Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state): None
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use E or F) None

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate) None

Descriptive sentence: 1. In cultural ditch - low water at time of survey.
 Plants of note: None
 Major conservation features: None
 Major impacts: Dredging/dredged - steep RS banks.
 Incidental observations (animals etc): None

S. DISEASED ALDER (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees: None

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARHAM, B102 6EB

Envelopes supplied! Post completed forms for processing. Labels supplied.

Page 3 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/m)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source(km)	Significant tributary ?	Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4286

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: CS 488 374 River: CEIN

Date: 7.6/1995 Time: 08.50 Surveyor name: S Blackburn








Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (pick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (pick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl		

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles <u>14</u> <u>14</u> <u>1</u> <u>16</u>	Unvegetated point bars <u>14</u> <u>13</u>
Pools <u>14</u> <u>5</u>	Vegetated point bars

National Rivers Authority

Page 2 of 4

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS

Spot check 1 is at: upstream end ☐ downstream end ☒ site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ BL, CO, GL, AL, CL, CC, SF, BF, G, P, RA, J, W	CR	FR	BR	FA	BR	CO	FI	FA	BR	ED
Bank modification(s)	R1	R1	R1	NO	R1	NO	NO	NO	R1	PC
Bank feature(s)	NO	BS	NO	SB	NO	NO	FC	NO	NO	NO
CHANNEL										
Channel substrate ² BL, SF, SD, CO, GL, AL, CL, CC	CO	CO	GP	GP	CO	GP	GP	GP	GP	GP
Flow type ³ FF, CH, SF, SW, CT, SF, SF, SF, SF, NO	S	S	W	S	W	RP	NP	S	S	W
Channel modification(s)	NO	LB	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ BL, CO, GL, AL, CL, CC, SF, BF, G, P, RA, J, W	FA	EA	FA	ER	ER	CL	CL	FA	FA	FI
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANK/LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CL, CH, CC, SF, BF, G, P, RA, J, W, NO, ZL, ZP	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	S	S	S	S	RP	RP	S	RP	RP	RP
LEFT BANK-TOP (structure within 1m) ⁴ BL/SC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) ⁴ BL/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) ⁴ BL/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) ⁴ BL/SC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	S	S	S	S	S	S	RP	RP	RP

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or F (greening))

NONE (tick as appropriate)	1	2	3	4	5	6	7	8	9	10
Upriver/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/edges/forbs										
Flowering-leaved (reeds)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-linear-leaved										
Flamboyant algae										

Use end 'single' column for types not occurring. In spot checks as well as overall assessment over 500m (use E or F)

LAND USE WITHIN 50m OF BANKTOP. *Cir E* (≥ 33% banklength) or *f* if present

	L	R		L	R
Broadleaved woodland (<i>BL</i>)			Wetland (eg bog, marsh, fen) (<i>W</i>)		
Coniferous plantation (<i>C</i>)			Open water (<i>OW</i>)		
Moorland/heath (<i>HM</i>)			Improved/scot-improved grass (<i>G</i>)		
Scrub (<i>S</i>)		✓	Tilled land (<i>TL</i>)		
Rough pasture (<i>R</i>)	<i>E</i>		Suburban/urban development (<i>UD</i>)	<i>f</i>	<i>E</i>

BANK PROFILES *Cir E* (≥ 33% banklength) or *f* if present

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut		✓	Reinforced		
Vertical + toe			Reinforced - whole bank		<i>E</i>
Emp (≥ 45°)		<i>E</i>	Reinforced - top only		
Grass		✓	Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predetermined bias			Poached		✓
			Embedded		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
	Left	Right	<i>E</i> ≥ 33%	None	Present <i>E</i>
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Concave woody debris	<input type="checkbox"/>	<input type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present <i>E</i>		None	Present <i>E</i>
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Step-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Rune(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s) - sprayings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>

1. NIXA RIVER HABITAT SURVEY FORM (to be measured at one site on a straight uniform section, preferably across a riffle)

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	6.20	RIGHT BANK	
Banktop height (m)	Water width (m)	5.70	Banktop height (m)	0.75
Embanked height (m)	Water depth (m)	0.12	Embanked height (m)	

If riffles lower than bank-top break to slope, indicate: height (m) 0.65 width(m) 6.00

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ pick one box Slope (IFE only)

2. ARTIFICIAL FEATURES (Use 1-10 to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = 3 Outfalls = Perds =
Footbridges = Roadbridges = 1 Other =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☒ 3/4 Most/whole of site ☐

3. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State
wood-coring ☐ enhancement ☐

4. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/> Other (state)
Grass/hide channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Cut <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fun <input type="checkbox"/>	Flush <input type="checkbox"/>

5. CHOKED CHANNEL (Tick one box)

Is 25% or more of the channel choked with vegetation? NO ☒ YES ☐

6. NOTABLE NURSANCE PLANT SPECIES (Use 1-10 or E)

Glax Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other ? State

7. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: small naturally meandering although much of
banks of point: the bank somewhat steeply rising
Major conservation features: glides occasionally glide deep rip on banks
Major impact: where there is some pools
Incidental observations (animals etc): Dipper, long nagfish

8. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: HUGH DANSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream and ☒ downstream and ☐ at site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone)

Mat. = Material ¹ = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹	SL, SD, CO, GL, SA, PE, CL, CT, ST, WT, GA, BA, SW	CS	RS	RS	R1	NO	NO	R1	NO	NO
Bank modification(s)	NO, SD, SL, PE, SA, SW	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO, NO, SC, SL, ST, WT, SA, SW	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate ²	SL, SD, CO, GL, SA, PE, CL, CT, ST, WT, GA, BA, SW	EE	EE	EE	SI	GP	GP	GP	GP	GP
Flow type ³	FF, CH, SW, ST, CT, ST, WT, GA, BA, SW	RP	SN	CH	SN	SW	SW	SW	SW	SW
Channel modification(s)	NO, SD, SL, PE, SA, SW	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO, SD, SL, PE, SA, SW	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹	SL, SD, CO, GL, SA, PE, CL, CT, ST, WT, GA, BA, SW	GA	GA	GA	GA	GA	GA	GA	GA	GA
Bank modification(s)	NO, SD, SL, PE, SA, SW	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO, SD, SL, PE, SA, SW	NO	NO	NO	NO	NO	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CL, ST, SW, SC, RP, WL, GW, SO, TL, SW

LAND USE WITHIN 5m OF BANKTOP (S)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TOP (structure within 1m)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
LEFT BANK FACE (structure)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
RIGHT BANK FACE (structure)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
RIGHT BANK TOP (structure within 1m)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
LAND USE WITHIN 5m OF BANK TOP (S)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL

CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry per E (R 35% area) or G (green))

	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

Use only catch-all column for types not occurring in spot checks as well as overall assessment over 500m (use E or G)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at our site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Backstop width (m)	5.85	
Backstop height (m)	1.20	1.20
Embedded height (m)	0.25	

If trawline lower than backstop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (FFE only)

ARTIFICIAL FEATURES (Use 1-10 to indicate size, number, and none where appropriate)

None ☐ Number of Culverts = 1 Weir = 1 Roadbridge = 1 Outfall = 1 Fords = 1

In water level controlled by weirs downstream? No ☒ Part of site ☐ Most/whole of site ☐

EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State

weed-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL: Waterfalls > 5m high ☐ Artificial open water ☐ Beg ☐ Other (state)

Bridled/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fens ☐ Flush ☐

CHOKED CHANNEL (Tick one box)

Is 35% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE NUISANCE PLANT SPECIES (List 1-10 at appropriate box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

BRIEF DESCRIPTION (Use prompts and 1-10 words at appropriate box)

Descriptive sentence: Upstream 150m lower reached but bed largely exposed bedrock with coarse silt

Plants of note: Major conservation features: upstream of rapart chok. Downstream more natural profile but with some reinforced

Major impact: incidental observations (animals etc): benthos in places - riffles + long shute deeper

Very unpleasant pools on meander banks

DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: SWEET SPOTS Page 4 of 4

LAND DESCRIPTION (to be measured at our site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Broadleaved woodland (BL)		
Coniferous woodland (CP)		
Wooded/heath (WH)		
Scrub (SC)		
Rough pasture (RP)		
Natural/unmodified		
Vertical/unobscured		
Vertical + low		
Steep (> 45°)		
Grass		
Composites		

Use tick space to show profile if different from above, after taking predominant box

EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

	Left	Right	None	Present
None				
Isolated/scattered				
Regularly spaced, single				
Occasional clumps				
Stand-continuous				
Continuous				

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present
Shading of channel		
Overhanging boughs		
Exposed bankside roots		
Underwater tree roots		
Fallen trees		
Coarse woody debris		

RIVER CHANNEL FEATURES (Tick one box per feature)

	None	Present
Waterfall(s) - free-fall		
Canal(s) - chert		
Sup/pool sequences		
Rapids(s) - submergence		
Riffle-pool sequences		
Run(s) - disturbed, rippled		
Bed(s) - gravelly		
Glide(s) - smooth, no eddies		

NRA RIVER HABITAT SURVEY 1995: SWEET SPOTS Page 4 of 4

LAND DESCRIPTION (to be measured at our site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Broadleaved woodland (BL)		
Coniferous woodland (CP)		
Wooded/heath (WH)		
Scrub (SC)		
Rough pasture (RP)		
Natural/unmodified		
Vertical/unobscured		
Vertical + low		
Steep (> 45°)		
Grass		
Composites		

Use tick space to show profile if different from above, after taking predominant box

EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

	Left	Right	None	Present
None				
Isolated/scattered				
Regularly spaced, single				
Occasional clumps				
Stand-continuous				
Continuous				

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present
Shading of channel		
Overhanging boughs		
Exposed bankside roots		
Underwater tree roots		
Fallen trees		
Coarse woody debris		

RIVER CHANNEL FEATURES (Tick one box per feature)








	None	Present
Waterfall(s) - free-fall		
Canal(s) - chert		
Sup/pool sequences		
Rapids(s) - submergence		
Riffle-pool sequences		
Run(s) - disturbed, rippled		
Bed(s) - gravelly		
Glide(s) - smooth, no eddies		

Altitude (m) _____ Slope (m/m) _____ Flow category (1-10) _____
 Solid geology code _____ Drift geology code _____ Platform category _____
 Distance from source (km) _____ Significant tributary? _____ Navigation? _____

Reference network site number: 4288
 Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: SS 681 371 River: R. Bly
 Date: 5.6/1995 Time: 12.10 Surveyor name: I. Blackmore
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
 Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C.1. PREDOMINANT VALLEY FORM (tick one box only)

 ☐ shallow vee
  ☐ terraced valley floor
 ☒ deep vee
  ☐ symmetrical floodplain
 ☐ gorge
  ☐ asymmetrical floodplain
 ☐ concave/bowl

was often "asymmetrical" at any one point - but alternated between sides

D. NUMBER OF RIFFLES, POOLS AND POINTEBARNS (Use 1-10 then indicate total number)

Riffles 11 1 9 Unvegetated point bars _____
 Pools 1 1 2 Vegetated point bars _____

National Rivers Authority

[illegible]

SITE NO. 14-8 NORTHERN HABITAT SURVEY 1989-90 SYSTEMS UNIT WKS P# 2 OF 4
 COUNTY CLATSOP TOWNSHIP SEASIDE RANGE 10 SECTION 10
 USFS LAND USE WITHIN ONE MILE OF BANGOR GLE (0.11 hectares) = V Forest

	L ^a	R ^b		L ^c	R ^d
Brown/finized woodlot (B ₁)	F	✓	Wetland (eg bog, marsh, fen) (W)		
Croft/lowa plantation (CP)	✓	E	Open water (OW)		
Moorland/heath (H)			Improved/not-improved grass (G)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (P)	E	G	Suburban/urban development (U)		

USE BANK PROFILES (Use E < 3%)

Natural/unmodified	L ^e	R ^f	Artificial/modified	L ^g	R ^h
Vertical/handcut		✓	Recontoured		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)		F ₁	Reinforced - top only		
Grate		F ₂	Reinforced - toe only		
Composite			Artificial two-stage		V
Use 8th space to draw profile if different from above, after adding predominant bank			Faceted		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per feature)		ASSOCIATED FEATURES (Tick one box per feature)	
Left	Right	# > 25%	None Present
None	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/> <input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Small continuous	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Continuous	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

OTHER FACTORS OF CHANNEL FORMATION (Tick one box per factor)

None	Present		None	Present
Waterfall(s) - freefall	<input type="checkbox"/> <input checked="" type="checkbox"/>	Marginal deadriver - slash	<input type="checkbox"/> <input checked="" type="checkbox"/>	
Cascade(s) - chute	<input type="checkbox"/> <input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/> <input checked="" type="checkbox"/>	
Step-pool sequence	<input type="checkbox"/> <input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/> <input checked="" type="checkbox"/>	
Rapid(s) - submergence	<input type="checkbox"/> <input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/> <input checked="" type="checkbox"/>	
Puffin-pool sequence	<input type="checkbox"/> <input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/> <input checked="" type="checkbox"/>	
Flow(s) - disturbed, rippled	<input type="checkbox"/> <input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/> <input checked="" type="checkbox"/>	
Pool(s) - symmetrical	<input type="checkbox"/> <input checked="" type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/> <input checked="" type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/> <input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/> <input checked="" type="checkbox"/>	

NKA RIVER HABITAT SURVEY, 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS: to be measured at one site on a straight uniform section, preferably across a riffle.

LEFT BANK		RIGHT BANK	
Backstop height (m)	Backstop width (m)	Backstop height (m)	Backstop width (m)
0.5	9.85	9.1	1.0
Embarked height (m)	Water depth (m)	Embarked height (m)	Water depth (m)
	0.1		

If threshold lower than backstop break in slope, indicate: height (m) width(m)

Bed material at this site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement site: riffle ☐ run or glide ☐ weir ☐ flood over bank ☐ Slope (IFE only)

NP 1: ARTIFICIAL FEATURES (Use 1-10 to indicate total sum, or tick box if none, where appropriate)

None <input checked="" type="checkbox"/>	Number of	Culverts = Footbridges =	Weirs = Roadbridges =	Overtops = Obstacles =	Fords =
In water level controlled by weirs/dams downstream? No <input type="checkbox"/>	Part of a lake <input type="checkbox"/>	Mouth/bank of site <input type="checkbox"/>			

NP 2: EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box(es))

dredging <input type="checkbox"/>	mowing <input type="checkbox"/>	Other? State
wood-cutting <input type="checkbox"/> <td>enhancement <input type="checkbox"/><td></td></td>	enhancement <input type="checkbox"/> <td></td>	

O 1: FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL		FLOODPLAIN (don't override)	
Waterside > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state)
Eroded/debris channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Cut <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Mush <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flats <input type="checkbox"/>	

O 2: CHOKED CHANNEL (Tick one box)

In 33% or more of the channel choked with vegetation? NO ☐ YES ☐

O 3: NOTABLE NUISANCE PLANT SPECIES (List all relevant species)

Giant Hogweed <input type="checkbox"/>	Himalayan Balsam <input type="checkbox"/>	Japanese Knotweed <input type="checkbox"/>	Other? State + name below
R 1: BRIEF DESCRIPTION (Briefly present location and background as appropriate)			

Descriptive statement: fresh willow & alder with many brambles & some
plants of note: aspen bedrock in places - cascades & small
riffles followed by long glides. One
Major conservation feature: small wetland (not plants)
Major impact:

Incidental observations (animals etc):

S 1: DISEASED ALDERS (Tick one box)

None <input checked="" type="checkbox"/>	Prominent <input type="checkbox"/>	Extensive <input type="checkbox"/>	Other (named tree) State
--	------------------------------------	------------------------------------	--------------------------------

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, B170 1BB

NRA RIVER HABITAT SURVEY 1995: Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Platform category
 Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 4289
 Mid-section grid reference of network site (if different from designated location):
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: SS 704 373 River: Holywell
 Date 6/6/1995 Time: 10.15 Surveyor name: J. B. G. G. G.
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Duplicate photographs: general character? No ☒ Yes ☐ (tick one box)
 Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☒ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 1/11 1/11 1/11 1/11 Unvegetated point bars 1/11 4
 Pools 1/11 4 1/11 1/11 Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)

Met. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Stm. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features(s)	NO	NO	EC	SB	SB	EC	NO	SB	SB	SB
CHANNEL										
Channel substrate #	CO	BE	LP	CO	CO	GP	BE	CO	GP	CO
Flow type #	UW	CF	SM	NP	UW	RP	CH	UW	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features(s)	NO	RO	NO	RO	RO	RO	NO	RO	RO	RO
RIGHT BANK										
Stm. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features(s)	SB	EC	NO	NO	NO	NO	NO	EC	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CF, MR, EC, PP, PL, OW, NO, TL, SH

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP structure within 1m) PAUSE	S	S	C	S	S	B	U	S	C	S
LEFT BANK FACE (structure) PAUSE	S	S	B	S	S	B	U	S	C	S
RIGHT BANK FACE (structure) PAUSE	S	S	S	S	S	S	B	S	S	S
RIGHT BANK-TOP structure within 1m) PAUSE	S	C	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry per E (in 33% area) or F (present))

NONE (tick as appropriate)										
Upriver/moss/algae										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 100m (use E or F)

SITE NO. 4289 NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F (if present))

	L	R		L	R
Broadleaved woodland (BL)	E	E	Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CF)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Serch (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 33% banklength) or F (if present))

	L	R		L	R
Natural/unmodified			Artificially modified		
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Step (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to show profile of difference from above, after taking predominant box			Feathered		
			Embanked		
			Self-back embankment		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per bank)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present
None	<input type="checkbox"/>	<input type="checkbox"/>	E > 25%	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - freefall	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Runt(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bail(s) - spreading	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	4.75	RIGHT BANK	
Banktop height (m)	0.75	Water width (m)	2.5	Banktop height (m)
Embanked height (m)		Water depth (m)	0.15	Embanked height (m)

If trawl line lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: cobbles/clasts (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (1% only)

M. ARTIFICIAL FEATURES (Use 1/11 indicate and number, tick "none" where appropriate)

None ☐ Number of Culverts = Water = Outfalls = Fords =
 Fourbridges = Roadbridges = Other =
 Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth-hole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State:
 weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Brick/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Flush

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use E or F)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:
 R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Active, high slope with extensive rocky outcrops - exposed network in places with cascades + a few pools. Short riffles, long glide banks. Natural Alder works for much of both banks.

Major conservation features:
 Major impacts:
 Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:
 SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Have you completed your exercises for this week? (send to F&D for signature!)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 2 of 4

BACKGROUND MAP-BASED INFORMATION

Airphoto(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary? Navigation?

FIELD SURVEY DETAILS

Reference network site number: 4302
 Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 5067313 River: NARDE
 Date: 17/5/1995 Time: 12.25 Surveyor name: G. G. M. No. 16
 Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state: cloudy
 Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
 Photographs: general character? No ☐ Yes ☐ (tick one box) with site No. m.
 Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/make sketch

NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box)

Rifles: 0 Unvegetated point bars: 0
 Pools: 0 Vegetated point bars: 0

IF E or F = see notes (p. 1)

NRA RIVER HABITAT SURVEY 1995: 7m SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at upstream end of section (tick one)

Left Bank	Channel	Right Bank
Bank material (m)	Bank material (m)	Bank material (m)
Bank modification(s)	Bank modification(s)	Bank modification(s)
Bank features(s)	Bank features(s)	Bank features(s)
Channel substrate (m)	Channel substrate (m)	Channel substrate (m)
Flow type (m)	Flow type (m)	Flow type (m)
Channel modification(s)	Channel modification(s)	Channel modification(s)
Channel features(s)	Channel features(s)	Channel features(s)
Bank material (m)	Bank material (m)	Bank material (m)
Bank modification(s)	Bank modification(s)	Bank modification(s)
Bank features(s)	Bank features(s)	Bank features(s)

BAND OF LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: choose one from FL, CL, HL, SC, AT, FL, CW, K, TL, TH

Land use within 5m of banktop (L)	Left Bank-top structure within 1m	Left Bank-face structure	Right Bank-face structure	Right Bank-top structure within 1m	Land use within 5m of banktop (R)
FL	CL	SC	BL	CL	FL
CL	CL	CL	CL	CL	CL
HL	HL	HL	HL	HL	HL
SC	SC	SC	SC	SC	SC
AT	AT	AT	AT	AT	AT
FL	FL	FL	FL	FL	FL
CW	CW	CW	CW	CW	CW
K	K	K	K	K	K
TL	TL	TL	TL	TL	TL
TH	TH	TH	TH	TH	TH

CHANNEL VEGETATION TYPES (tick in relevant boxes with ref. to p. 1)

Plant group (tick one)	Emergent broad	Emergent narrow	Submerged	Submerged floating	Flowering	Free-floating
Emergent broad	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent narrow	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submerged	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submerged floating	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Flowering	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Free-floating	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Use 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (see E or F)

Notes: Use 1st 4 letters of genus + 1st 3 letters of species if possible + 1st part of botanical name

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP (tick one box)

Left Bank	Channel	Right Bank
Banking width (m)	Banking width (m)	Banking width (m)
Banking height (m)	Banking height (m)	Banking height (m)
Enhanced height (m)	Enhanced height (m)	Enhanced height (m)
Banking width (m)	Banking width (m)	Banking width (m)
Banking height (m)	Banking height (m)	Banking height (m)
Enhanced height (m)	Enhanced height (m)	Enhanced height (m)

ARTIFICIAL FEATURES (tick one box)

None ☐ Number of Culverts = 1 Weirs = 1 Outfalls = 1
 Footbridges = 1 Spillways = 1 Other = 1
 Is water level controlled by weirs/dams downstream? No ☐ Part of site ☐ Mouth of site ☐

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

digging ☐ moving ☐ 11 bank ☐ Other? State:
 weed-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (tick appropriate box)

CHANNEL: Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state):
 Banked/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Lush debris ☐ Fen ☐ Flork ☐

CHRONED CHANNEL (tick one box)

Is 25% or more of the channel choked with vegetation? NO ☐ YES ☐

NOTABLE RARE PLANT SPECIES (tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:
 Brief description: (tick one box)
 Descriptive sentence: River natural up section, diverted as millrace - straight & full brown water - returns naturally to river.
 Plants of note:
 Major conservation features: historical interest.
 Major impacts: present modifications connected with water control for mill.
 Incidental observations (animals etc): Kingfishers.
 If 2 channels only, tick 1st channel ☐

DISSEMINATED ALDERS (tick one box)

None ☐ Present ☐ Extensive ☐ Other (state):
 SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRENHAM, B120 6BB
 Envelopes supplied! Post completed form for forwarding - labels supplied on site

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 4 of 4

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per tree)

None	Left	Right	Notes
None	<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	
Small-continuous	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	

ASSOCIATED FEATURES (tick one box per feature)

None	Present	Notes
None	<input type="checkbox"/>	
Shading of channel	<input type="checkbox"/>	
Overhanging boughs	<input type="checkbox"/>	
Exposed bankside roots	<input type="checkbox"/>	
Underwater tree roots	<input type="checkbox"/>	
Fallen trees	<input type="checkbox"/>	
Coarse woody debris	<input type="checkbox"/>	

WATER (tick one box per water feature)

None	Present	Notes
None	<input type="checkbox"/>	
Marginal deadwater - slack	<input type="checkbox"/>	
Exposed bedrock	<input type="checkbox"/>	
Exposed boulders	<input type="checkbox"/>	
Unvegetated mid-channel bars	<input type="checkbox"/>	
Vegetated mid-channel bars	<input type="checkbox"/>	
Mature island(s)	<input type="checkbox"/>	
Unvegetated side bars	<input type="checkbox"/>	
Vegetated side bars	<input type="checkbox"/>	

Have you completed your sweep for this reach? (tick one box)

None ☐ Present ☐ Extensive ☐ Other (state):

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRENHAM, B120 6BB
 Envelopes supplied! Post completed form for forwarding - labels supplied on site

NRA RIVER HABITAT SURVEY 1995 (Form A) Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source (km) _____ Significant tributary ? _____ Navigation ? _____

B. FIELD SURVEY DETAILS

Reference network site number: 4205

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THIS FOLLOWING FOR ALL SITES

Grid Reference: E.L. 1000 River: 70.7W 14.4K 70m

Date: 15/11/1995 Time: 0912 Surveyor name: G.C. Miley

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) *Site 11 on 1*

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on the diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (tick one box, then indicate total number)

Riffles ☐ Unvegetated point bars ☐

Pools ☒ Vegetated point bars ☐

IF E or F - see notes on page 2

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 to 10 (tick one box)

LEFT BANK: 1 2 3 4 5 6 7 8 9 10

Bank material (fine) ☒ 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

Bank modification ☒ 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

Bank features ☒ 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

Channel width (m) ☒ 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

Flow type (fine) ☒ 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

Channel modification ☒ 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

Channel features ☒ 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

RIGHT BANK: 1 2 3 4 5 6 7 8 9 10

Bank material (fine) ☒ 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

Bank modification ☒ 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

Bank features ☒ 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: tick one from FL, CL, SL, GL, PL, OL, WL, BL, TL, SL

LAND USE WITHIN 5m OF BANKTOP (L) ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

LEFT BANK-TOP (structure within 1m) ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

LEFT BANK FACE (structure) ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

RIGHT BANK FACE (structure) ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

RIGHT BANK-TOP (structure within 1m) ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

LAND USE WITHIN 5m OF BANK TOP (R) ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

G. CHANNEL VEGETATION TYPES (tick one box, then indicate total number)

NONE (tick one box) ☒

Plant species (tick one box) ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds ☒ ☒ ☒ ☒

NRA RIVER HABITAT SURVEY 1995: IFB - A.A. Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4313

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TR 169345 River: BOLDINGS BROOK

Date: 15.6.1995 Time: 09.40... Surveyor name: J.M.S. & S.A. (tick one)

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: ...

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with site map!

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/other diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 6 Unvegetated point bars

Pools 11 Vegetated point bars

IFE - Ind. = See survey log (1-10)

National Rivers Authority

J.M.S. & S.A. (tick one)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one)

Spot check 1 is at: upstream and downstream (tick one)

LEFT BANK (including downstream)

Bank material (fine) RE, SO, CO, GL, LA, PE, CL

Bank modification(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank feature(s) SC, SB, SB, NO, NO, NO, NO, SC, SC, NO

CHANNEL NOTE: Use suitable for ...

Channel substrate (fine) RE, SO, CO, GL, LA, PE, CL

Flow type (one) 1F, CL, SW, SW, CL, SW, SW, SW, SW, SW

Channel modification(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Channel feature(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

RIGHT BANK

Bank material (fine) RE, SO, CO, GL, LA, PE, CL

Bank modification(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank feature(s) NO, NO, NO, SC, SB, NO, NO, NO, NO, SB

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, RH, SC, RP, WL, OW, IG, TL, BU

LAND USE WITHIN 5m OF BANKTOP (L) RP, RP, RP, RP, RP, RP, RP, RP, RP, RP

LEFT BANK-TOP (structure within 1m) BAUSC S, U, I, S, I, S, C, S, S, S

LEFT BANK FACE (structure) BAUSC S, S, I, S, S, S, S, S, S, S

RIGHT BANK FACE (structure) BAUSC S, S, S, S, S, S, S, S, S, S

RIGHT BANK-TOP (structure within 1m) BAUSC S, C, S, S, S, C, U, U, U, U

LAND USE WITHIN 5m OF BANKTOP (R) SC, CL, FL, L, FL, FL, FL, FL, FL, FL

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry use E for 33% area or 1/3 present)

NONE (tick) Plant species (tick one)

Liverworts mosses/ferns

Emergent broad leaved herbs

Emergent reeds sedges/rushes

Flowering leaved plants

Free-floating

Amphibious

Submerged - broad-leaved

Submerged fine-leaved

Filamentous algae

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or 1/3)

PLANTS - Use tick 4-digits of Census of the site vegetation + species if possible of both parts of Potamogeton perfoliatus

IFB - A.A. Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP (Use E for 33% banklength or 1/3 present)

Broadleaved/mixed woodland (BL) E E Wetland (eg bog, marsh, fen) (WJ)

Coniferous plantation (CP)

Moorland/heath (HJ)

Scrub (SC)

Rough pasture (RP) E Suburban/urban development (SU)

I. BANK PROFILES (Use E for 33% banklength or 1/3 present)

Natural/unmodified L R Artificially modified L R

Vertical/undercut L R Retention L R

Vertical + toe L R Reinforced - whole bank L R

Slope (> 45°) L R Reinforced - top only L R

Gentle L R Reinforced - toe only L R

Composite L R Artificial two-stage L R

Use this space to draw profile if different from above, after using predominant box

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (tick one box per bank)

None Left Right

Isolated/scattered

Regularly spaced, single

Occasional clumps

Stem-continuous

Continuous

ASSOCIATED FEATURES (tick one box per feature)

E 233% Shading of channel

Overhanging boughs

Exposed bankside roots

Underwater tree roots

Fallen trees

Coarse woody debris

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfalls - freefall

Cascades - chute

Step-pool sequences

Rapids - whitewater

Riffle-pool sequences

Roe(s) - disturbed, rippled

Roe(s) - upwellings

Gills(s) - smooth, no eddies

Marginal dead-water - slack

Exposed bedrock (CLAY)

Exposed boulders

Unvegetated mid-channel bars

Unvegetated mid-channel bars

Natural island(s)

Unvegetated side bars

Vegetated side bars

Have you completed your squares from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 3.25 RIGHT BANK

Banktop height (m) 1.5 Water width (m) 0.6 Banktop height (m) 1.5

Embanked height (m) Water depth (m) 0.1 Embankment height (m)

If threshold lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (temp) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth-hole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ moving ☐ Other? State

wed-dredging ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box)

CHANNEL FLOODPLAIN (50m corridor)

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Bridled/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☒ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (tick one or more)

Giant Hogweed Himalayan Balsam Japanese Knotweed Other? State

R. BRIEF DESCRIPTION (Use prompt and key words as appropriate)

Descriptive sentence: Clay channel - deep banks. Low flow at time

Plants of note (see list) at survey: many roots

Major conservation features: EL woodlands

Major impacts: Extreme giant Hogweed!

Incidental observations (animals etc)

IFE - Ind. = See survey log (1-10)

S. DISEASED ALDERS (tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - labels supplied separately

NRA RIVER HABITAT SURVEY 1995: 500M SWEEP-UP Page 3 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source (km) _____ Significant tributary? _____ Navigation? _____

B. FIELD SURVEY DETAILS

Reference network site number: 4316

Mid-section grid reference of network site (if different from designated location): _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TQ 447384 River: SHOVELS CREEK

Date: 5.1.95 Time: 14.30 Surveyor name: W. J. P. M. 14.4K 70m

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on the diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 10 Unvegetated point bars _____

Pools 15 Vegetated point bars _____

IFE = 10 + 15 = 25

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 10 Pools 15 Unvegetated point bars _____ Vegetated point bars _____

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone)

Spot check 1 is at: upstream end of section ☒ downstream end ☐ (tick one)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank features	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel notes	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel substrate (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Flow type (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel modifications	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel features	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank features	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from FL, CP, OL, SC, SP, VL, OW, IO, TL, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
LEFT BANK-TOP (structure within 1m)	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
LEFT BANK FACE (structure)	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
RIGHT BANK FACE (structure)	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
RIGHT BANK-TOP (structure within 1m)	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
LAND USE WITHIN 5m OF BANK TOP (R)	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: E (to 33% area) or G (greater))

	1	2	3	4	5	6	7	8	9	10
None (channel)										
Emergent broad-leaved										
Emergent reeds										
Emergent sedges										
Emergent grasses										
Emergent forbs										
Emergent shrubs										
Emergent trees										
Emergent algae										
Emergent mosses										
Emergent lichens										
Emergent fungi										
Emergent bacteria										
Emergent viruses										
Emergent protozoa										
Emergent invertebrates										
Emergent vertebrates										
Emergent plants										
Emergent animals										
Emergent fungi										
Emergent bacteria										
Emergent viruses										
Emergent protozoa										
Emergent invertebrates										
Emergent vertebrates										
Emergent plants										
Emergent animals										

Use the "catchall" column for types not occurring in spot checks as well as overall assessment over 500m (use E or G)

NOTES - Use the back of this page for notes on the survey

NRA RIVER HABITAT SURVEY 1995: 500M SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banktop) or G (greater))

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Cereals/plantations (CP)			Open water (OW)		
Moored boats (MB)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (to 33% banktop) or G (greater))

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/steep			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, show midline predominant bank			Reinforced		
			Embankment		
			Set-back embankment		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	LA	Right	WATER	ASSOCIATED FEATURES	None	Present	WATER
None				Bank of channel			
Isolated/scattered				Overhanging branches			
Regularly spaced, single				Exposed bankside roots			
Occasional clumps				Underwater tree roots			
Semi-cohesive				Fallen trees			
Cohesive				Coarse woody debris			

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present	WATER
Waterfalls (overfall)			Marginal deadwater - slack			
Cascades (scum)			Exposed bedrock (CLAY)			
Step-pool sequences			Exposed boulders			
Rapid(s) - whitewater			Unvegetated mid-channel bars			
Riffle-pool sequences			Vegetated mid-channel bars			
Runs (flowing, rippled)			Mature island(s)			
Rail(s) - spilling			Unvegetated side bars			
Glides (smooth, no eddies)			Vegetated side bars			

Have you completed your copies from this week? (Send to PWS for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banking width (m)	RIGHT BANK
Banking height (m)	1.5	Banking height (m)
Banking width (m)	2.5	Banking width (m)
Banking depth (m)	0.5	Banking depth (m)
Banking length (m)	1.5	Banking length (m)

If unstable lower than banking break in slope, indicate: height (m) 1.5 width (m) 2.5

Bed material at site is: consolidated (frequent) ☐ unconsolidated (frequent) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____

In water level controlled by weirs/dams/dam? No ☒ Part of site ☐ Most of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drilling ☐ mowing ☐ Other? State: _____

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) _____

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Lots of debris ☐ Fen ☐ Flats ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

R. BRIEF DESCRIPTION (Use 'pump' and 'log' words as appropriate)

Descriptive sentence: Tce-lined channel, wading GP but also clay

Point of notes: (e.g. 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th)

Major conservation feature: SL vegetation - wet grassland (extensive)

Major impact: _____

Incidental observations (animals etc): Tce.

S. DISEASED ALIENS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post included for postage labels supplied

A. BACKGROUND MAP-BASED INFORMATION		
Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source (km)	Significant tributary ?	Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4318

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TDG44366 River: TEISE

Date: 11/10/1995 Time: 16:00 Surveyor name: 78, 79, 74, 16, AK, 70m
(work or add) 6-6 mly No 16 7-2

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state _____

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Photographs: general character? No ☒ Yes ☒ (tick one box) with 50% mly m!
[Essential - rather than record of failure]

Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM: (tick one box only)

 <input type="checkbox"/> shallow vee	 <input type="checkbox"/> terraced valley floor
 <input checked="" type="checkbox"/> deep vee	 <input type="checkbox"/> symmetrical floodplain
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain
 <input type="checkbox"/> concave/bowl	+ NOTES/mh <u>Downstream</u>

D. NUMBER OF RIFFLES, POOLS, AND POINT BARS: (Use 111 then indicate total number)

Riffles <u>4</u>	Unvegetated point bars <u>1</u>
Pools <u>7</u>	Vegetated point bars <u>1</u>

15E-m-1-500-107-1-113

National Rivers Authority

DKES. heard

framed

validated

data done

Riffles Pools Unvegetated point bars Vegetated point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone) (1) Mark presence/absence (✓)

Spot check 1 is at: upstream end of site ☒ Mid site ☐ Downstream end of site ☐

LEFT BANK	1	2	3	4	5	6	7	8	9	10
Bank material (fine)	FI, SO, CO, G, S, Z, CL	BR	BO	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input checked="" type="checkbox"/>	NO, RI, LC, PC, BI, SM	RI	RI	NO	NO	RS	NO	RS	RS	RS
Bank feature(s) <input checked="" type="checkbox"/>	NO, RI, LC, PC, BI, SM	NO	NO	NO	VS	VS	SC	VS	NO	VS

CHANNEL VEGETATION (to be assessed over a 10m wide stretch) (2) Mark presence/absence (✓)

Channel substrate (fine)	FI, SO, CO, G, S, Z, CL	BR	BO	EA	EA	EA	EA	EA	EA	EA
Flow type (fine)	FI, SO, CO, G, S, Z, CL	NP	CH	NP	RP	SM	RP	SM	NP	NP
Channel modification(s) <input checked="" type="checkbox"/>	NO, RI, LC, PC, BI, SM	RS	DA	RS	NO	NO	NO	NO	NO	NO
Channel feature(s) <input checked="" type="checkbox"/>	NO, RI, LC, PC, BI, SM	NO	DA	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK (to be assessed over a 10m wide stretch) (3) Mark presence/absence (✓)

Bank material (fine)	FI, SO, CO, G, S, Z, CL	BR	BO	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input checked="" type="checkbox"/>	NO, RI, LC, PC, BI, SM	RI	RI	NO	RS	RS	RS	RS	NO	NO
Bank feature(s) <input checked="" type="checkbox"/>	NO, RI, LC, PC, BI, SM	NO	NO	NO	VS	VS	VS	VS	VS	VS

F. BANK/TOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide stretch)

Land use: choose one from FL, CP, MK, SC, RP, WL, OW, N, TL, SU

LAND USE WITHIN 5m OF BANK TOP (L)	SU	SU	IG	IG	IG	IG	SC	RP	CP
LEFT BANK-TOP (structure within 5m) <input checked="" type="checkbox"/>	SU <td>SU <td>U <td>U <td>U <td>U <td>U <td>U <td>U </td></td></td></td></td></td></td></td>	SU <td>U <td>U <td>U <td>U <td>U <td>U <td>U </td></td></td></td></td></td></td>	U <td>U <td>U <td>U <td>U <td>U <td>U </td></td></td></td></td></td>	U <td>U <td>U <td>U <td>U <td>U </td></td></td></td></td>	U <td>U <td>U <td>U <td>U </td></td></td></td>	U <td>U <td>U <td>U </td></td></td>	U <td>U <td>U </td></td>	U <td>U </td>	U
LEFT BANK FACE (structure) <input checked="" type="checkbox"/>	U <td>U <td>U <td>U <td>U <td>U <td>U <td>U <td>U </td></td></td></td></td></td></td></td>	U <td>U <td>U <td>U <td>U <td>U <td>U <td>U </td></td></td></td></td></td></td>	U <td>U <td>U <td>U <td>U <td>U <td>U </td></td></td></td></td></td>	U <td>U <td>U <td>U <td>U <td>U </td></td></td></td></td>	U <td>U <td>U <td>U <td>U </td></td></td></td>	U <td>U <td>U <td>U </td></td></td>	U <td>U <td>U </td></td>	U <td>U </td>	U
RIGHT BANK FACE (structure) <input checked="" type="checkbox"/>	U <td>U <td>U <td>U <td>U <td>U <td>U <td>U <td>U </td></td></td></td></td></td></td></td>	U <td>U <td>U <td>U <td>U <td>U <td>U <td>U </td></td></td></td></td></td></td>	U <td>U <td>U <td>U <td>U <td>U <td>U </td></td></td></td></td></td>	U <td>U <td>U <td>U <td>U <td>U </td></td></td></td></td>	U <td>U <td>U <td>U <td>U </td></td></td></td>	U <td>U <td>U <td>U </td></td></td>	U <td>U <td>U </td></td>	U <td>U </td>	U
RIGHT BANK-TOP (structure within 5m) <input checked="" type="checkbox"/>	U <td>U <td>U <td>U <td>U <td>U <td>U <td>U <td>U </td></td></td></td></td></td></td></td>	U <td>U <td>U <td>U <td>U <td>U <td>U <td>U </td></td></td></td></td></td></td>	U <td>U <td>U <td>U <td>U <td>U <td>U </td></td></td></td></td></td>	U <td>U <td>U <td>U <td>U <td>U </td></td></td></td></td>	U <td>U <td>U <td>U <td>U </td></td></td></td>	U <td>U <td>U <td>U </td></td></td>	U <td>U <td>U </td></td>	U <td>U </td>	U

LAND USE WITHIN 5m OF BANK TOP (R)

IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one code: WL (≥ 3% area) or J (present))

NONE (nil)	Plant green (intense)	WL	J
Emergent broad-leaved herbs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent medium-leaved herbs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Flowering-leaved (woody)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Free-floating	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Amphibious	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submerged - broad-leaved	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submerged fine-leaved herbs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Filamentous algae	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

FLANTS - Use 1st 4 letters of genus \rightarrow Pota, Pota^{gen}
+ species if possible \rightarrow Pota^{gen} Pota^{gen} Pota^{gen}

11. LAND USE WITHIN 100M OF BANKTOP. Use E ($\geq 33\%$ banktop) or if present

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WZ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU) (A & B & C)		

12. BANK PROFILES. Use E ($\geq 33\%$ banktop) or if present

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - toe only		
Grazed			Reinforced - toe only		
Composite			Recessed		

Use this space to draw profile if different from above, after allowing for localised loss of vegetation.

13. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
Left	Right	WATER	E $\geq 33\%$	None	Present
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Staking of channel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Understorey tree roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

14. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present	WATER
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater - silt	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Step-pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Major island(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s) - gravelly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Boil(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Have you completed your request form this week? (send to FSD for signature!)

1. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	6.0	RIGHT BANK	
Banktop height (m)	1.0	Water width (m)	1.0	Banktop height (m)	1.0
Embanked height (m)		Water depth (m)	0.1	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) _____ width(m) _____

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ either ☐ (pick one box) Slope (IFE only) _____

2. ARTIFICIAL FEATURES (Use 1 for definite, small numbers, 0-6, none = value appropriate)

None ☐ Number of Culverts = 4 Weirs = 4 Outfalls = _____ Fords = _____

Feederbridges = 4 Roadbridges = _____ Other = _____

Is water level controlled by weirs/dams downstream? No ☒ Part of site ☒ Yes ☐ (State here)

3. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ dowing ☐ Other? State _____

wood-cutting ☐ enhancement ☐

4. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (don't encircle)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Brashed/dried channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input checked="" type="checkbox"/>	Water meadow <input type="checkbox"/>
Loose debris <input type="checkbox"/>	Tree <input type="checkbox"/>

5. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒ (Siting up along 200 ft with Spartina & Typha)

6. NOTABLE INVASIVE PLANT SPECIES (Use 1 for definite, small numbers, 0-6, none = value appropriate)

> Giant Hogweed ☒ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

7. BRIEF DESCRIPTION (Use groups and key words as appropriate)

Descriptive sentence: Highly modified channel, 0% of Artificial Lake.

Plants of note (see list): Top section weirs. Rest of section = wide channel now recovering with extensive VS.

Major conservation features: _____

Major impacts: Artificial weirs + flow regime + RS in past

Incidental observations (animals etc): Kingfishers. Lake used for Trout fishing.

IFE channel map to be attached ☒ (Indicate location)

8. DISSEMINATED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other (describe tree) _____ State _____

SEND COMPLETED FORM TO: NICH DAWSON, IFE RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed files for processing - labels supplied as requested

Envelopes supplied! Post completed files for processing. Labels supplied as requested.

NRA RIVER HABITAT SURVEY 1995: Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/run) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4324

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SS 295 203 River: Severn vale

Date 8/6/1995 Time: 14.15 Surveyor name: J. Blackburn

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 1/11 11 Unvegetated point bars 1/11 6

Pools 1/11 6 Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide survey)

Stat. = Material ? = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Stat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Channel substrate #	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Flow type #	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Stat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)	Land use: choose one from RL, CP, MH, SC, SP, VL, OW, NO, TL, SU									
LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK-TOP (structure within 1m) 2.50m	S	S	C	C	S	S	S	S	S	S
LEFT BANK FACE (structure) 2.50m	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) 2.50m	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) 2.50m	C	C	S	S	C	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	SC	CP	CP	CP	CP	CP
G. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide transect)	NONE (tick as appropriate)									
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/rushes/bulrushes										
Floating-leaved (terrestrial)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Submerged algae										

* "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

SITE NO. 4324 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or V if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)	E	
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)	E	E	Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or V if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/cutbank	2	2	Reinforced	E	F
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Reinforced		
			Embanked		
			Set-back embankment		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Rund(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bail(s) - gravelly	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	2.40	RIGHT BANK
Banktop height (m)	1.30		Banktop height (m)
Banktop width (m)		2.40	Banktop width (m)
Banktop height (m)		0.20	Banktop height (m)

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Ponds =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ mowing ☐ Other ? State

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Cut
	Marsh
	Flint

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use / or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Small stream in deep high reseeded bank

Plants of note: mostly s. c. plants with a few ribwort

Major conservation features: none with defined pools. banks looked more

Major impacts: natural in one or 2 places - overhanging

Incidental observations (animals etc): low for 200m a more gentle slope

Low for 200m both banks were cleared

couple forest patches with some scrub

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4325
 Mid-section grid reference of network site (if different from designated location):
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: 55450 222 River: 160
 Date 3/16/1995 Time: 09:10 Surveyor name: J. Plankton
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state _____
 Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
 Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)
 Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFLES, POOLS AND POINT BARS (Use 1 if then indicate total number)

Rifles ☒ Unvegetated point bars 11 3
 Pools 11 1 Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☒ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Stat. = Material = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. #	11	12	13	14	15	16	17	18	19	20
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate #	11	12	13	14	15	16	17	18	19	20
Flow type #	11	12	13	14	15	16	17	18	19	20
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. #	21	22	23	24	25	26	27	28	29	30
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CL, PL, SC, SP, NL, SW, SO, SL, SO

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	11	12	13	14	15	16	17	18	19	20
LEFT BANK-TOP (structure within 1m)	11	12	13	14	15	16	17	18	19	20
LEFT BANK FACE (structure)	11	12	13	14	15	16	17	18	19	20
RIGHT BANK FACE (structure)	11	12	13	14	15	16	17	18	19	20
RIGHT BANK-TOP (structure within 1m)	11	12	13	14	15	16	17	18	19	20
LAND USE WITHIN 5m OF BANK TOP (R)	11	12	13	14	15	16	17	18	19	20

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or G (greening))

NONE (tick as appropriate)

Livingstonia/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/bulrushes										
Floating-leaved (free)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Submerged algae										

tick-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or G)

SITE NO. 4325 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or G (greening))

	L	R		L	R
Forest/woodland (BL)		E	Wetland (eg bog, marsh, fen) (NL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	
Scrub (SC)			Tilled land (TL)		C
Pough pasture (PP)	E		Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 33% banklength) or G (greening))

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/unreinforced		E	Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)		E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if differs from above, after taking groundmarked bar			Preceded		
			Embanked		
			Set-back embankment		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
Left	Right	E > 33%	None
None	<input type="checkbox"/>	Shedding of channel	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Scrub-coniferous	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E	None	Present E
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Step-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Rapid(s) - submergent	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>
Runt(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Roll(s) - symmetrical	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Backstop width (m)	9.25	RIGHT BANK
Backstop height (m)	0.70		Backstop height (m)
Embankment height (m)			Embankment height (m)
Water depth (m)	0.09		Water depth (m)

If threshold lower than backstop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) (SFE only)

M. ARTIFICIAL FEATURES (Use 1 if indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other 1 State _____
 weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fra <input type="checkbox"/>
	Plunk <input type="checkbox"/>

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other 7 State _____

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Shallow with long dead river/stone section + slow
 water flow. Submergent riffles. Submergent riffles. Submergent riffles.
 Place of note: One small bank of left bank (not in eddies).
 Major conservation features: One small bank of left bank (not in eddies).
 Major impacts: One small bank of left bank (not in eddies).
 Incidental observations (animals etc):

S. DISTURBED ALBERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other disturbed area? State _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOK, WARHAM, BH20 6BB

Page 1 of 4

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS

Spot check 1 is at upstream end of site (tick one box)

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Platform category _____

Distance from source(km) _____ Significant tributary? _____ Navigation? _____

B. FIELD SURVEY DETAILS

Reference network site number: 4328

Mid-section grid reference of network site (if different from designated location): _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SS 756 204 River: Little Silver River

Date 6.1.1995 Time: 12.00 Surveyor name: J. Blatchburn

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☒ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use |||| then indicate total number)

Riffles |||| Unvegetated point bars ||||

Pools |||| Vegetated point bars ||||

National Rivers Authority

7-49-13 TL

Page 2 of 4

Spot check 1 is at upstream end of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 3m wide zone)

Dist. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Dist. = Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Channel substrate	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Flow type	SA	NP	SM	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Dist. = Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Channel substrate	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Flow type	SA	NP	SM	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, HM, SC, SP, VL, WM, RL, TL, BU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	CP	HM	SC	SP	VL	WM	RL	TL	BU
LEFT BANK-TOP (structure within 1m)	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	CP	HM	SC	SP	VL	WM	RL	TL	BU

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry; use E (≥ 33% area) or V (percent))

VEGETATION TYPE	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/bushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

7-49-13 TL

Page 3 of 4

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP

Site NO. 4328

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or V (percent))

LAND USE	L	R	LAND USE	L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (HM)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or V (percent))

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		

Use this space to draw profile if different from above, after setting predetermined box

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Channel Feature	None	Present	Channel Feature	None	Present
Waterfalls - free-fall			Marginal deadwater - silt		
Waterfalls - chute			Exposed bedrock		
Step-pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Runs - disturbed, rippled			Mature island(s)		
Bank(s) - spilling			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

7-49-13 TL

Page 4 of 4

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	6.25	RIGHT BANK
Banktop height (m)	0.85	Water width (m)	4.75
Banktop height (m)	0.85	Water depth (m)	0.05
Banktop height (m)	0.85	Banktop height (m)	1.00

If bankline lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unconsolidated ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (1% only) _____

M. ARTIFICIAL FEATURES (Use |||| indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State: _____

wood-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fox

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (Use |||| indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: sluggish with long slow glides + pools + a few short riffles. Much material deposited in side bars + point + mid channel so clearly stream is efficient when in flood. A lot of exposed bedrock esp on left bank + pools only just being waylaid. Islands formed by action (see photo)

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WARHAM, BH20 4DB

7-49-13 TL

NRA RIVER HABITAT SURVEY 1995: 100M SWEEP-UP Page 3 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/m) Flow category (1-10)

Solid geology code Drift geology code Platform category

Distance from source (km) Significant tributary ? Navigation ?

FIELD SURVEY DETAILS

Reference network site number: 4331

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: ST059 214 River: 2 TONE

Date: 18/5/1995 Time: 10:00 Surveyor name: J. M. H. (tick one box)

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

End of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/notes 7 m

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (tick one box)

Riffles 111 4 Unvegetated point bars 1

Pools 111 4 Vegetated point bars

National Rivers Authority

DATES: found 19/05/95

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel width in 10m wide zone)

Spot check 1 is at right bank and downstream of site

LEFT BANK: 1 2 3 4 5 6 7 8 9 10

RIGHT BANK: 1 2 3 4 5 6 7 8 9 10

Bank material (fine) EA EA EA EA EA EA EA EA EA EA

Bank modification (fine) NO NO NO NO NO NO NO NO NO NO

Bank features (fine) NO NO NO NO NO NO NO NO NO NO

Channel width (fine) 11.0m 11.0m 11.0m 11.0m 11.0m 11.0m 11.0m 11.0m 11.0m 11.0m

Channel modification (fine) NO NO NO NO NO NO NO NO NO NO

Channel features (fine) NO NO NO NO NO NO NO NO NO NO

Bank material (fine) EA EA EA EA EA EA EA EA EA EA

Bank modification (fine) NO NO NO NO NO NO NO NO NO NO

Bank features (fine) NO NO NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use class: 1L, 2L, 3L, 4L, 5L, 6L, 7L, 8L, 9L, 10L

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK TOP (structure within 1m) 1L 2L 3L 4L 5L 6L 7L 8L 9L 10L

LEFT BANK FACE (structure) 1L 2L 3L 4L 5L 6L 7L 8L 9L 10L

RIGHT BANK FACE (structure) 1L 2L 3L 4L 5L 6L 7L 8L 9L 10L

RIGHT BANK TOP (structure within 1m) 1L 2L 3L 4L 5L 6L 7L 8L 9L 10L

LAND USE WITHIN 5m OF BANKTOP (R)

1L 2L 3L 4L 5L 6L 7L 8L 9L 10L

G. CHANNEL VEGETATION TYPES (tick one box)

NONE (tick one box)

Emergent broad-leaved ☒ Emergent narrow-leaved ☒ Floating-leaved ☒ Free-floating ☒ Amphibious ☒ Submerged ☒ Submerged ☒ Submerged ☒ Filamentous algae ☒

Use and 'catchall' column for types not occurring in spot checks as well as overall assessment over 500m (use E or R) 1

NOTES - Use 1L to 10L of forms to show site vegetation + quality if possible by beta patch & beta patch indicator

NRA RIVER HABITAT SURVEY 1995: 500M SWEEP-UP Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP (tick one box)

1L 2L 3L 4L 5L 6L 7L 8L 9L 10L

BANK PROFILES (tick one box)

1L 2L 3L 4L 5L 6L 7L 8L 9L 10L

EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box)

1L 2L 3L 4L 5L 6L 7L 8L 9L 10L

EXTENT OF CHANNEL FEATURES (tick one box)

1L 2L 3L 4L 5L 6L 7L 8L 9L 10L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK: Banktop width (m) 9.5 Banktop height (m) 1.0 Banktop width (m) 1.0 Banktop height (m) 1.0

RIGHT BANK: Banktop width (m) 9.5 Banktop height (m) 1.0 Banktop width (m) 1.0 Banktop height (m) 1.0

ARTIFICIAL FEATURES (tick one box)

1L 2L 3L 4L 5L 6L 7L 8L 9L 10L

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

1L 2L 3L 4L 5L 6L 7L 8L 9L 10L

FEATURES OF SPECIAL INTEREST (tick appropriate box)

1L 2L 3L 4L 5L 6L 7L 8L 9L 10L

CHOKED CHANNEL (tick one box)

1L 2L 3L 4L 5L 6L 7L 8L 9L 10L

NOTABLE NUISANCE PLANT SPECIES (tick one box)

1L 2L 3L 4L 5L 6L 7L 8L 9L 10L

BRIEF DESCRIPTION (tick one box)

1L 2L 3L 4L 5L 6L 7L 8L 9L 10L

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

JKES. Record
with

+ species if possible of *Peta* part = *Peta* *negativ* *positiv*

Have you completed your expenses from this week? (send to FWD for signature!)

Envelopes supplied! Post completed films for processing - labels supplied as types

Page 1 of 4

NRA RIVER HABITAT SURVEY 1995

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/m)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source(km)	Significant tributary ?	Navigation ?

FIELD SURVEY DETAILS

Reference network site number: 4334

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: ST 305 226 River: Sedgewick Ck. Fkys. 75174 RM 16 AN 700

Date 1.5.5/1995 Time: 14 55 Surveyor name (underlined) G.C. Moly No 06 100

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state








Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? ☒ grand feature No ☐ Yes ☒ (tick one box) 5.5 m 1 m 1 m

Expected = natural, with regard to features

Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl		+ notes/only if necessary

NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 1111 4	Unvegetated point bars
Pools	Vegetated point bars

1995-1996 - see next page

National Rivers Authority

DATES: heard 1995 1996

prepared

checked

[illegible]

REF 57

SITE NO. 4-334 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP

Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E in 11% bankings) or J if present

	L	R		L	R
Breached/flushed woodland (BL)	<input checked="" type="checkbox"/>		Wetland (eg bog, marsh, fen) (WL)		
Carex/scrub plantations (CP)			Open water (OW)		
Moored/leach (PL)			Improved/seed-increased grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub (SC)			Tilled land (TL)		<input checked="" type="checkbox"/>
Peat/pasture (PJ)			Suburban/urban development (SU)	<input checked="" type="checkbox"/>	

I. BANK PROFILES (Use E in 11% bankings) or J if present

Natural/unmodified	L	R	Artificially modified	L	R
Vertical/abundant			Reinforced		<input checked="" type="checkbox"/>
Vertical + toe			Reinforced - whole bank		<input checked="" type="checkbox"/>
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial to a stage		
Use 0's again to show profile at different bank areas, also soilly profiled bank			Treebed		<input checked="" type="checkbox"/>
			Embanked		<input checked="" type="checkbox"/>
			Tree-bed embankment		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	ASSOCIATED FEATURES (Tick one box per feature)					
	Left	Right	Notes			
None	<input type="checkbox"/>	<input type="checkbox"/>	E 2-11%			
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scrub-semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present	Notes
Waterlilies - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal dewatering - slash	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cascades - above	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock (L11-17)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Step-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Rapids - submerger	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Runs - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stony islands	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Bells - upwelling	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle:

LEFT BANK	Banktop width (m)	<u>2.90</u>	RIGHT BANK
Banktop height (m)	Water width (m)	<u>1.95</u>	Banktop height (m)
Embarked height (m)	Water depth (m)	<u>0.40</u>	Embarked height (m)

If machine lower than banktop track is slope, indicates height (m) width(m)

Bed material at site is: consolidated (granite) ☐ unconsolidated (loess) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ pick one box Slope (IFE only)

M ARTIFICIAL FEATURES (Use "X" indicate total number, tick "none" where appropriate)

None ☐ Number of Columns = _____ Width = _____ Outfalls = 2 Feeds = _____
 Footbridges = 1 Roadbridges = _____ Obstructions and man-made bridges = _____
 Is water level controlled by weir/dam downstream? No ☒ Part of the ☐ Mouth hole of river ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☒ moving channels ☐ Other? State _____
 weedcutting ☐ channelisation ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (when covered)
Waterside to Sun high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Wetland meadow <input type="checkbox"/>
Loose debris <input type="checkbox"/>	Fish <input type="checkbox"/>
Bog <input type="checkbox"/>	Care <input type="checkbox"/>
Marsh <input type="checkbox"/>	Flank <input type="checkbox"/>

P CHOKED CHANNEL (Tick any box)

Is 35% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE SUSANSE PLANT SPECIES One or More ☐ List them here _____

Glant Mergweed ☐ Mimosa Balm ☐ Japanese Knotweed ☐ Other? State _____

R BRIEF DESCRIPTION (Not primary and for water management purposes) (The Salween)

Descriptive statement: small stream in steeply eroded timber - pastureland
 slow flowing & rocky (some exposed clay underlying river bed)
 Flats of note: dry

Major conservation features: old aqueduct bridge at foot check A but good diversity
 banks (steep sides)

Major impacts: run off from upper lands of local residents properties (and up)

Incidental observations (animals etc): Grey wattlebird

IFE 2ch - all trees taken ☒ filtered ☐

S DISEASED ALDERS (Tick any box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State _____

RECEIVED

SEND completed form(s) TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BN

Enclosures supplied: 1 Post carded file for printing labels supplied above

Have you completed your expenses from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: 10m SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 4361
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES JL DH 1H CC ML
Grid Reference: RC 67259 River: 143-144-145-146-147-148
Date: 10/11/1995 Time: 10:00 Surveyor name: GC MLY No 116
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None
Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box) See 116 on 117
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes on 117

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 117 then indicate total number)

Riffles 1 Unvegetated point bars 0
Pools 0 Vegetated point bars 0
(If E = 100, see 117 for 100)

National Rivers Authority

YES, heard
10/11/95

NRA RIVER HABITAT SURVEY 1995: 10m SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide zone) (d) Mark in the box (p)

Spot check 1 is at: upstream and downstream (tick one)

	1	2	3	4	5	6	7	8	9	10	Notes
LEFT BANK (tick one)											
Bank modification(s)											
Bank feature(s)											
Channel substrate (tick one)											
Flow type (tick one)											
Channel modification(s)											
Channel feature(s)											
RIGHT BANK (tick one)											
Bank modification(s)											
Bank feature(s)											

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, DH, SC, RP, VL, OV, IG, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m)										
LEFT BANK FACE (structure)										
RIGHT BANK-TOP (structure within 1m)										
RIGHT BANK FACE (structure)										
LAND USE WITHIN 5m OF BANK TOP (R)										

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry: use E (≥ 33% area) or if present)

NONE (tick)	Plant genera (tick one)	1	2	3	4	5	6	7	8	9	10
	Emergent broad										
	Emergent reeds										
	Emergent sedges										
	Emergent leaves										
	Free-floating										
	Amphibious										
	Submerged - broad-leaved										
	Submerged floe-leaved										
	Filament, algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

PLANT 5 - Use tick in boxes of genera or plant families + species if possible eg Potamogeton pectinatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP. Use E (≥ 33% banklength) or if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Cediferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES: Use E (≥ 33% banklength) or if present

	L	R		L	R
Natural/unmodified			Artificial/modification		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial re-creation		
Use 117 to show position of Top 1 = 100% Slope			Poached		
Use 117 to show position of Top 2 = 100% Slope			Embanked		
Use 117 to show position of Top 3 = 100% Slope			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	WATER	E ≥ 33%	None	Present	E	NO YES
None								
Isolated/scattered								
Regularly spaced, single								
Occasional clumps								
Semi-continuous								
Continuous								
Associated features								
Shading of channel								
Overhanging boughs								
Exposed bankside roots								
Underwater tree roots								
Fallen trees								
Coarse woody debris								

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	None	Present	E	NO YES
Waterfall(s) - free-fall							
Waterfall(s) - chute							
Step-pool sequence							
Rap(s) - whitewater							
Riffle-pool sequence							
Rice(s) - disturbed, rippled							
Bed(s) - upwellings							
Glide(s) - smooth, no eddies							
Wingshield deadwater - slack							
Exposed bedrock							
Exposed boulders							
Unvegetated mid-channel bars							
Vegetated mid-channel bars							
Minor island(s)							
Unvegetated side bars							
Vegetated side bars							

Have you completed your exposure from this week? (and to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	6.5	RIGHT BANK	
Banktop height (m)	1.5		Banktop height (m)	1.5
Water width (m)	3.0		Water width (m)	3.0
Water depth (m)	1.0		Water depth (m)	1.0
Embankment height (m)	0.5		Embankment height (m)	0.5

If instream lower than banktop break in slope, indicate: height (m) 0.5 width (m) 0.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ Unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 117 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 1 Outfalls = 1 Ferds = 1
Footbridges = 1 Roadbridges = 1 Other = 1

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State None
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Bog <input type="checkbox"/>
	Carr <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flush <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 117 indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State None

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Lowland ditch - open banked, predominantly grazing.
Plants of note (see 117): 117 to 118

Major conservation features: None
Major impacts: RS banks + extensive poaching (sheep).

Incidental observations (animals etc): None
Notes: Small fish (minnow) seen back along ditch - fish not very big.

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State None

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAKEHAM, B102 6BB

Envelopes supplied! Post completed forms for processing - labels supplied

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4362
Mid-section grid reference of network site (if different from designated location):
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: SS 249 16' River: TOWN
Date: 9/6/1995 Time: 16.00 Surveyor name: J. P. Lachbun
Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state: _____
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles: 2 Unvegetated point bars
Pools: _____ Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☐ at site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. = Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. = Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from PL, CP, HM, SC, RP, NL, OV, NO, TL, WH

LAND USE WITHIN 5m OF BANKTOP (L)

1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m)	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK FACE (structure)	SC	SC	SC	SC	SC	SC	SC	SC	SC
RIGHT BANK FACE (structure)	SC	SC	SC	SC	SC	SC	SC	SC	SC
RIGHT BANK-TOP (structure within 1m)	SC	SC	SC	SC	SC	SC	SC	SC	SC
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	SC	SC	SC	SC	SC

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or P (present))

1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)									
Upriver/overbank									
Emergent broad-leaved herbs									
Emergent reeds/sedges/rubus									
Flowering-leaved (rooted)									
Free-floating									
Ambiguous									
Submerged broad-leaved									
Submerged fine-leaved									
Filamentous algae									

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or P)

SITE NO. 4362 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or P (present))

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or P (present))

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/unmodified			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after noting predominant bank			Peached		
			Embanked		
			Set-back embankment		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - freefall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequences	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - shallowwater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequences	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	<u>0.95</u>	Banktop height (m)
Banktop width (m)	<u>1.90</u>	Banktop width (m)
Banktop depth (m)	<u>0.10</u>	Banktop depth (m)

If threshold lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other (tick one box) (JFE only)

M. ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick "none" where appropriate)

None ☒ Number of: Culverts = _____ Weirs = _____ Roadbridges = _____ Outfalls = _____ Fords = _____

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ moving ☐ Other? Silt _____
wood-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Loose debris	Fen
	Bog
	Carri
	Marsh
	Fluck

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11 indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Silt _____

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: Small, even-toned with variable, silt, scrub
Plant of note: humble flowering section with silt, but for silt
Major conservation features: biggy, healthy at us and in right side
Major impacts:
Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? Silt _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: Page 3 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4363

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 55384142 River: Toxopee

Date 8/16/1995 Time: 12:15 Surveyor name: A. P. K. G. G.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☒ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 sign to indicate total number)

Riffles 114 Unvegetated point bars

Pools 1 Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. # 1-10, 11-12, 13-14, 15-16, 17-18, 19-20, 21-22, 23-24, 25-26, 27-28, 29-30, 31-32, 33-34, 35-36, 37-38, 39-40, 41-42, 43-44, 45-46, 47-48, 49-50, 51-52, 53-54, 55-56, 57-58, 59-60, 61-62, 63-64, 65-66, 67-68, 69-70, 71-72, 73-74, 75-76, 77-78, 79-80, 81-82, 83-84, 85-86, 87-88, 89-90, 91-92, 93-94, 95-96, 97-98, 99-100, 101-102, 103-104, 105-106, 107-108, 109-110, 111-112, 113-114, 115-116, 117-118, 119-120, 121-122, 123-124, 125-126, 127-128, 129-130, 131-132, 133-134, 135-136, 137-138, 139-140, 141-142, 143-144, 145-146, 147-148, 149-150, 151-152, 153-154, 155-156, 157-158, 159-160, 161-162, 163-164, 165-166, 167-168, 169-170, 171-172, 173-174, 175-176, 177-178, 179-180, 181-182, 183-184, 185-186, 187-188, 189-190, 191-192, 193-194, 195-196, 197-198, 199-200, 201-202, 203-204, 205-206, 207-208, 209-210, 211-212, 213-214, 215-216, 217-218, 219-220, 221-222, 223-224, 225-226, 227-228, 229-230, 231-232, 233-234, 235-236, 237-238, 239-240, 241-242, 243-244, 245-246, 247-248, 249-250, 251-252, 253-254, 255-256, 257-258, 259-260, 261-262, 263-264, 265-266, 267-268, 269-270, 271-272, 273-274, 275-276, 277-278, 279-280, 281-282, 283-284, 285-286, 287-288, 289-290, 291-292, 293-294, 295-296, 297-298, 299-300, 301-302, 303-304, 305-306, 307-308, 309-310, 311-312, 313-314, 315-316, 317-318, 319-320, 321-322, 323-324, 325-326, 327-328, 329-330, 331-332, 333-334, 335-336, 337-338, 339-340, 341-342, 343-344, 345-346, 347-348, 349-350, 351-352, 353-354, 355-356, 357-358, 359-360, 361-362, 363-364, 365-366, 367-368, 369-370, 371-372, 373-374, 375-376, 377-378, 379-380, 381-382, 383-384, 385-386, 387-388, 389-390, 391-392, 393-394, 395-396, 397-398, 399-400, 401-402, 403-404, 405-406, 407-408, 409-410, 411-412, 413-414, 415-416, 417-418, 419-420, 421-422, 423-424, 425-426, 427-428, 429-430, 431-432, 433-434, 435-436, 437-438, 439-440, 441-442, 443-444, 445-446, 447-448, 449-450, 451-452, 453-454, 455-456, 457-458, 459-460, 461-462, 463-464, 465-466, 467-468, 469-470, 471-472, 473-474, 475-476, 477-478, 479-480, 481-482, 483-484, 485-486, 487-488, 489-490, 491-492, 493-494, 495-496, 497-498, 499-500, 501-502, 503-504, 505-506, 507-508, 509-510, 511-512, 513-514, 515-516, 517-518, 519-520, 521-522, 523-524, 525-526, 527-528, 529-530, 531-532, 533-534, 535-536, 537-538, 539-540, 541-542, 543-544, 545-546, 547-548, 549-550, 551-552, 553-554, 555-556, 557-558, 559-560, 561-562, 563-564, 565-566, 567-568, 569-570, 571-572, 573-574, 575-576, 577-578, 579-580, 581-582, 583-584, 585-586, 587-588, 589-590, 591-592, 593-594, 595-596, 597-598, 599-600, 601-602, 603-604, 605-606, 607-608, 609-610, 611-612, 613-614, 615-616, 617-618, 619-620, 621-622, 623-624, 625-626, 627-628, 629-630, 631-632, 633-634, 635-636, 637-638, 639-640, 641-642, 643-644, 645-646, 647-648, 649-650, 651-652, 653-654, 655-656, 657-658, 659-660, 661-662, 663-664, 665-666, 667-668, 669-670, 671-672, 673-674, 675-676, 677-678, 679-680, 681-682, 683-684, 685-686, 687-688, 689-690, 691-692, 693-694, 695-696, 697-698, 699-700, 701-702, 703-704, 705-706, 707-708, 709-710, 711-712, 713-714, 715-716, 717-718, 719-720, 721-722, 723-724, 725-726, 727-728, 729-730, 731-732, 733-734, 735-736, 737-738, 739-740, 741-742, 743-744, 745-746, 747-748, 749-750, 751-752, 753-754, 755-756, 757-758, 759-760, 761-762, 763-764, 765-766, 767-768, 769-770, 771-772, 773-774, 775-776, 777-778, 779-780, 781-782, 783-784, 785-786, 787-788, 789-790, 791-792, 793-794, 795-796, 797-798, 799-800, 801-802, 803-804, 805-806, 807-808, 809-810, 811-812, 813-814, 815-816, 817-818, 819-820, 821-822, 823-824, 825-826, 827-828, 829-830, 831-832, 833-834, 835-836, 837-838, 839-840, 841-842, 843-844, 845-846, 847-848, 849-850, 851-852, 853-854, 855-856, 857-858, 859-860, 861-862, 863-864, 865-866, 867-868, 869-870, 871-872, 873-874, 875-876, 877-878, 879-880, 881-882, 883-884, 885-886, 887-888, 889-890, 891-892, 893-894, 895-896, 897-898, 899-900, 901-902, 903-904, 905-906, 907-908, 909-910, 911-912, 913-914, 915-916, 917-918, 919-920, 921-922, 923-924, 925-926, 927-928, 929-930, 931-932, 933-934, 935-936, 937-938, 939-940, 941-942, 943-944, 945-946, 947-948, 949-950, 951-952, 953-954, 955-956, 957-958, 959-960, 961-962, 963-964, 965-966, 967-968, 969-970, 971-972, 973-974, 975-976, 977-978, 979-980, 981-982, 983-984, 985-986, 987-988, 989-990, 991-992, 993-994, 995-996, 997-998, 999-1000, 1001-1002, 1003-1004, 1005-1006, 1007-1008, 1009-1010, 1011-1012, 1013-1014, 1015-1016, 1017-1018, 1019-1020, 1021-1022, 1023-1024, 1025-1026, 1027-1028, 1029-1030, 1031-1032, 1033-1034, 1035-1036, 1037-1038, 1039-1040, 1041-1042, 1043-1044, 1045-1046, 1047-1048, 1049-1050, 1051-1052, 1053-1054, 1055-1056, 1057-1058, 1059-1060, 1061-1062, 1063-1064, 1065-1066, 1067-1068, 1069-1070, 1071-1072, 1073-1074, 1075-1076, 1077-1078, 1079-1080, 1081-1082, 1083-1084, 1085-1086, 1087-1088, 1089-1090, 1091-1092, 1093-1094, 1095-1096, 1097-1098, 1099-1100, 1101-1102, 1103-1104, 1105-1106, 1107-1108, 1109-1110, 1111-1112, 1113-1114, 1115-1116, 1117-1118, 1119-1120, 1121-1122, 1123-1124, 1125-1126, 1127-1128, 1129-1130, 1131-1132, 1133-1134, 1135-1136, 1137-1138, 1139-1140, 1141-1142, 1143-1144, 1145-1146, 1147-1148, 1149-1150, 1151-1152, 1153-1154, 1155-1156, 1157-1158, 1159-1160, 1161-1162, 1163-1164, 1165-1166, 1167-1168, 1169-1170, 1171-1172, 1173-1174, 1175-1176, 1177-1178, 1179-1180, 1181-1182, 1183-1184, 1185-1186, 1187-1188, 1189-1190, 1191-1192, 1193-1194, 1195-1196, 1197-1198, 1199-1200, 1201-1202, 1203-1204, 1205-1206, 1207-1208, 1209-1210, 1211-1212, 1213-1214, 1215-1216, 1217-1218, 1219-1220, 1221-1222, 1223-1224, 1225-1226, 1227-1228, 1229-1230, 1231-1232, 1233-1234, 1235-1236, 1237-1238, 1239-1240, 1241-1242, 1243-1244, 1245-1246, 1247-1248, 1249-1250, 1251-1252, 1253-1254, 1255-1256, 1257-1258, 1259-1260, 1261-1262, 1263-1264, 1265-1266, 1267-1268, 1269-1270, 1271-1272, 1273-1274, 1275-1276, 1277-1278, 1279-1280, 1281-1282, 1283-1284, 1285-1286, 1287-1288, 1289-1290, 1291-1292, 1293-1294, 1295-1296, 1297-1298, 1299-1300, 1301-1302, 1303-1304, 1305-1306, 1307-1308, 1309-1310, 1311-1312, 1313-1314, 1315-1316, 1317-1318, 1319-1320, 1321-1322, 1323-1324, 1325-1326, 1327-1328, 1329-1330, 1331-1332, 1333-1334, 1335-1336, 1337-1338, 1339-1340, 1341-1342, 1343-1344, 1345-1346, 1347-1348, 1349-1350, 1351-1352, 1353-1354, 1355-1356, 1357-1358, 1359-1360, 1361-1362, 1363-1364, 1365-1366, 1367-1368, 1369-1370, 1371-1372, 1373-1374, 1375-1376, 1377-1378, 1379-1380, 1381-1382, 1383-1384, 1385-1386, 1387-1388, 1389-1390, 1391-1392, 1393-1394, 1395-1396, 1397-1398, 1399-1400, 1401-1402, 1403-1404, 1405-1406, 1407-1408, 1409-1410, 1411-1412, 1413-1414, 1415-1416, 1417-1418, 1419-1420, 1421-1422, 1423-1424, 1425-1426, 1427-1428, 1429-1430, 1431-1432, 1433-1434, 1435-1436, 1437-1438, 1439-1440, 1441-1442, 1443-1444, 1445-1446, 1447-1448, 1449-1450, 1451-1452, 1453-1454, 1455-1456, 1457-1458, 1459-1460, 1461-1462, 1463-1464, 1465-1466, 1467-1468, 1469-1470, 1471-1472, 1473-1474, 1475-1476, 1477-1478, 1479-1480, 1481-1482, 1483-1484, 1485-1486, 1487-1488, 1489-1490, 1491-1492, 1493-1494, 1495-1496, 1497-1498, 1499-1500, 1501-1502, 1503-1504, 1505-1506, 1507-1508, 1509-1510, 1511-1512, 1513-1514, 1515-1516, 1517-1518, 1519-1520, 1521-1522, 1523-1524, 1525-1526, 1527-1528, 1529-1530, 1531-1532, 1533-1534, 1535-1536, 1537-1538, 1539-1540, 1541-1542, 1543-1544, 1545-1546, 1547-1548, 1549-1550, 1551-1552, 1553-1554, 1555-1556, 1557-1558, 1559-1560, 1561-1562, 1563-1564, 1565-1566, 1567-1568, 1569-1570, 1571-1572, 1573-1574, 1575-1576, 1577-1578, 1579-1580, 1581-1582, 1583-1584, 1585-1586, 1587-1588, 1589-1590, 1591-1592, 1593-1594, 1595-1596, 1597-1598, 1599-1600, 1601-1602, 1603-1604, 1605-1606, 1607-1608, 1609-1610, 1611-1612, 1613-1614, 1615-1616, 1617-1618, 1619-1620, 1621-1622, 1623-1624, 1625-1626, 1627-1628, 1629-1630, 1631-1632, 1633-1634, 1635-1636, 1637-1638, 1639-1640, 1641-1642, 1643-1644, 1645-1646, 1647-1648, 1649-1650, 1651-1652, 1653-1654, 1655-1656, 1657-1658, 1659-1660, 1661-1662, 1663-1664, 1665-1666, 1667-1668, 1669-1670, 1671-1672, 1673-1674, 1675-1676, 1677-1678, 1679-1680, 1681-1682, 1683-1684, 1685-1686, 1687-1688, 1689-1690, 1691-1692, 1693-1694, 1695-1696, 1697-1698, 1699-1700, 1701-1702, 1703-1704, 1705-1706, 1707-1708, 1709-1710, 1711-1712, 1713-1714, 1715-1716, 1717-1718, 1719-1720, 1721-1722, 1723-1724, 1725-1726, 1727-1728, 1729-1730, 1731-1732, 1733-1734, 1735-1736, 1737-1738, 1739-1740, 1741-1742, 1743-1744, 1745-1746, 1747-1748, 1749-1750, 1751-1752, 1753-1754, 1755-1756, 1757-1758, 1759-1760, 1761-1762, 1763-1764, 1765-1766, 1767-1768, 1769-1770, 1771-1772, 1773-1774, 1775-1776, 1777-1778, 1779-1780, 1781-1782, 1783-1784, 1785-1786, 1787-1788, 1789-1790, 1791-1792, 1793-1794, 1795-1796, 1797-1798, 1799-1800, 1801-1802, 1803-1804, 1805-1806, 1807-1808, 1809-1810, 1811-1812, 1813-1814, 1815-1816, 1817-1818, 1819-1820, 1821-1822, 1823-1824, 1825-1826, 1827-1828, 1829-1830, 1831-1832, 1833-1834, 1835-1836, 1837-1838, 1839-1840, 1841-1842, 1843-1844, 1845-1846, 1847-1848, 1849-1850, 1851-1852, 1853-1854, 1855-1856, 1857-1858, 1859-1860, 1861-1862, 1863-1864, 1865-1866, 1867-1868, 1869-1870, 1871-1872, 1873-1874, 1875-1876, 1877-1878, 1879-1880, 1881-1882, 1883-1884, 1885-1886, 1887-1888, 1889-1890, 1891-1892, 1893-1894, 1895-1896, 1897-1898, 1899-1900, 1901-1902, 1903-1904, 1905-1906, 1907-1908, 1909-1910, 1911-1912, 1913-1914, 1915-1916, 1917-1918, 1919-1920, 1921-1922, 1923-1924, 1925-1926, 1927-1928, 1929-1930, 1931-1932, 1933-1934, 1935-1936, 1937-1938, 1939-1940, 1941-1942, 1943-1944, 1945-1946, 1947-1948, 1949-1950, 1951-1952, 1953-1954, 1955-1956, 1957-1958, 1959-1960, 1961-1962, 1963-1964, 1965-1966, 1967-1968, 1969-1970, 1971-1972, 1973-1974, 1975-1976, 1977-1978, 1979-1980, 1981-1982, 1983-1984, 1985-1986, 1987-1988, 1989-1990, 1991-1992, 1993-1994, 1995-1996, 1997-1998, 1999-2000, 2001-2002, 2003-2004, 2005-2006, 2007-2008, 2009-2010, 2011-2012, 2013-2014, 2015-2016, 2017-2018, 2019-2020, 2021-2022, 2023-2024, 2025-2026, 2027-2028, 2029-2030, 2031-2032, 2033-2034, 2035-2036, 2037-2038, 2039-2040, 2041-2042, 2043-2044, 2045-2046, 2047-2048, 2049-2050, 2051-2052, 2053-2054, 2055-2056, 2057-2058, 2059-2060, 2061-2062, 2063-2064, 2065-2066, 2067-2068, 2069-2070, 2071-2072, 2073-2074, 2075-2076, 2077-2078, 2079-2080, 2081-2082, 2083-2084, 2085-2086, 2087-2088, 2089-2090, 2091-2092, 2093-2094, 2095-2096, 2097-2098, 2099-2100, 2101-2102, 2103-2104, 2105-2106, 2107-2108, 2109-2110, 2111-2112, 2113-2114, 2115-2116, 2117-2118, 2119-2120, 2121-2122, 2123-2124, 2125-2126, 2127-2128, 2129-2130, 2131-2132, 2133-2134, 2135-2136, 2137-2138, 2139-2140, 2141-2142, 2143-2144, 2145-2146, 2147-2148, 2149-2150, 2151-2152, 2153-2154, 2155-2156, 2157-2158, 2159-2160, 2161-2162, 2163-2164, 2165-2166, 2167-2168, 2169-2170, 2171-2172, 2173-2174, 2175-2176, 2177-2178, 2179-2180, 2181-2182, 2183-2184, 2185-2186, 2187-2188, 2189-2190, 2191-2192, 2193-2194, 2195-2196, 2197-2198, 2199-2200, 2201-2202, 2203-2204, 2205-2206, 2207-2208, 2209-2210, 2211-2212, 2213-2214, 2215-2216, 2217-2218, 2219-2220, 2221-2222, 2223-2224, 2225-2226, 2227-2228, 2229-2230, 2231-2232, 2233-2234, 2235-2236, 2237-2238, 2239-2240, 2241-2242, 2243-2244, 2245-2246, 2247-2248, 2249-2250, 2251-2252, 2253-2254, 2255-2256, 2257-2258, 2259-2260, 2261-2262, 2263-2264, 2265-2266, 2267-2268, 2269-2270, 2271-2272, 2273-2274, 2275-2276, 2277-2278, 2279-2280, 2281-2282, 2283-2284, 2285-2286, 2287-2288, 2289-2290, 2291-2292, 2293										

Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 4364

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SS 43 124 River: L. 100 100 100

Date 8.15.1995 Time: 10.40 Surveyor name J. P. 100 100








Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

C 'PREDOMINANT VALLEY FORM' (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input checked="" type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl		

D NUMBER OF RIFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Rifles 11 11 11 11 11 (19) Unvegetated point bars 11 11 (7)

Pools 11 11 11 (12) Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS											Page 2 of 4
Spot check 1 is at: upstream end <input type="checkbox"/> downstream end <input checked="" type="checkbox"/> of site (tick one box)											
E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 5m wide transect)											
Mat. = Material	= one entry only										
1	2	3	4	5	6	7	8	9	10		
LEFT BANK											
Mat.	BD	BD	CG	GL	FL	CL	CP	SL	SL	SL	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
CHANNEL											
Channel substrate	BD	BD	CG	GL	FL	CL	CP	SL	SL	SL	
Flow type	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK											
Mat.	BD	BD	CG	GL	FL	CL	CP	SL	SL	SL	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
F. BANK/LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)											
Land use: choose one from BL, CP, MV, EC, FL, RL, OW, HL, TL, BV											
LAND USE WITHIN 5m OF BANKTOP (L)	BL	CP	CP	FL	FL	FL	FL	FL	FL	FL	
LEFT BANK-TOP (structure within 5m)	BL/EC	BL	BL	BL	BL	BL	BL	BL	BL	BL	
LEFT BANK FACE (structure)	BL/EC	BL	BL	BL	BL	BL	BL	BL	BL	BL	
RIGHT BANK TOP (structure)	BL/EC	BL	BL	BL	BL	BL	BL	BL	BL	BL	
RIGHT BANK-TOP (structure within 5m)	BL/EC	BL	BL	BL	BL	BL	BL	BL	BL	BL	
LAND USE WITHIN 5m OF BANK TOP (R)	BL	CP	CP	FL	FL	FL	FL	FL	FL	FL	
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry per E (at 30% area) or F (preferred))											
NONE (tick as appropriate)											
Liverworts/mosses/lichens	✓	E									
Emergent broad-leaved herbs	✓	✓									
Emergent reeds/rushes/sedges											
Flowering-leaved (broad)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine-leaved											
Pteridophytes algae	✓										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

SITE NO. 123456789
NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP
Page 3 of 4

LAND USE WITHIN 100m OF BANKTOP: Use E (in 33% banklength) or ✓ if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)	✓	✓	Open water (OW)	✓	
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)	✓	✓	Tilted land (TL)		
Rough pasture (RP)	✓	✓	Suburban/urban development (SU)		

BANK PROFILES: Use E (in 33% banklength) or ✓ if present

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/underscut	✓	✓	Reinforced		
Vertical + toe	✓	✓	Reinforced - whole bank	✓	
Steep (> 45°)	✓	✓	Reinforced - top only		
Geotile	✓	✓	Reinforced - toe only		
Carpapile	✓	✓	Artificial re-vegetation		
Use this space to draw profile if different from above, also noting predominant bank			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
	Left	Right	E 2-33%	Noon	Present E
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Scattered continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES: (Tick one box per feature)

	Noon	Present E		Noon	Present E
Waterfall(s) - freefall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Step-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - white-water	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Runs(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s) - gravelings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle					
LEFT BANK	<input type="checkbox"/>	Banktop width (m)	<input type="checkbox"/>	RIGHT BANK	<input type="checkbox"/>
Banktop height (m)	<input type="checkbox"/>	Water width (m)	<input type="checkbox"/>	Banktop height (m)	<input type="checkbox"/>
Bankbed height (m)	<input type="checkbox"/>	Water depth (m)	<input type="checkbox"/>	Bankbed height (m)	<input type="checkbox"/>
If trashline lower than banktop break in slope, indicate height (m) width (m)					
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input type="checkbox"/>					
Location of measurement is: riffle <input type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)					
N. ARTIFICIAL FEATURES (Use <input type="checkbox"/> indicate usual number, nil "none" where appropriate)					
None <input type="checkbox"/>	Number of Culverts =	Walls =	Overtops =	Ferds =	
	Footbridges =	Roadbridges =	Others =		
Is water level controlled by weir/dam downstream? No <input type="checkbox"/> Part of site <input type="checkbox"/> Most/whole of site <input type="checkbox"/>					
N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)					
dredging <input type="checkbox"/>	moving <input type="checkbox"/>	Other? State			
weed-cutting <input type="checkbox"/>	enhancement <input type="checkbox"/>				
O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))					
CHANNEL					
Waterfalls > 5m high <input type="checkbox"/>	FLOODPLAIN (50m corridor)			Bog <input type="checkbox"/>	Other (state)
Braided/side channels <input type="checkbox"/>	Artificial open water <input type="checkbox"/>			Cur <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Natural open water <input type="checkbox"/>			Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Water meadow <input type="checkbox"/>			Fish <input type="checkbox"/>	
P. CHOKED CHANNEL (Tick one box)					
Is 25% or more of the channel choked with vegetation? NO <input type="checkbox"/> YES <input type="checkbox"/>					
Q. NOTABLE NUISANCE PLANT SPECIES (Use <input type="checkbox"/> for each)					
Giant Hogweed <input type="checkbox"/>	Himalayan Balsam <input type="checkbox"/>	Japanese Knotweed <input type="checkbox"/>	Other? State		
R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)					
Descriptive sentence: small stream, riffle, pool, a long, wide					
Plants of note: small, a few, exposed, bedrock, etc.					
Major conservation features: small, a few, (see table), small cultural or high					
Major impacts: bank almost completely encroached by large					
Incidental observations (animals etc):					
S. DISEASED ALDERS (Tick one box)					
None <input type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other diseased trees? State					

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, B120 6BB

NRA RIVER HABITAT SURVEY 1995: Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (n/km) Flow category (1-10)
 Solid geology code Drift geology code Platform category
 Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 4365
 Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 55 538 122 River: 1/ E. L. L.
 Date: 7.6.1995 Time: 15.10 Surveyor name: J. R. L. L.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles: 10 Unvegetated point bars
 Pools: 5 Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ at site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide survey)

Spot	1	2	3	4	5	6	7	8	9	10
Mat. = Material	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Mat. = Material	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Channel substrate	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Flow type	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Mat. = Material	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, ML, SC, RP, NL, GW, RD, TL, BV	CP	RP	RF	LF	EP	LP	RP	RF	SC
LAND USE WITHIN 5m OF BANKTOP (L)	CP	RP	RF	LF	EP	LP	RP	RF	SC
LEFT BANK-TOP (structure within 1m)	CP	RP	RF	LF	EP	LP	RP	RF	SC
LEFT BANK FACE (structure)	CP	RP	RF	LF	EP	LP	RP	RF	SC
RIGHT BANK-TOP (structure within 1m)	CP	RP	RF	LF	EP	LP	RP	RF	SC
RIGHT BANK FACE (structure)	CP	RP	RF	LF	EP	LP	RP	RF	SC
LAND USE WITHIN 5m OF BANK TOP (R)	CP	RP	RF	LF	EP	LP	RP	RF	SC

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry per E (2-3% area) or G (green))

Vegetation Type	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/rushes/grasses										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (see E or G)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (2-3% banklength) or G (green))

Land Use	L	R	L	R
Broadleaved woodland (BL)				
Coniferous plantation (CP)				
Moorland/heath (MH)				
Scrub (SC)				
Rough pasture (RP)				
Improved/semi-improved grass (IG)				
Tilled land (TL)				
Suburban/urban development (SU)				

III. BANK PROFILES (Use E (2-3% banklength) or G (green))

Bank Profile	L	R	L	R
Natural/unmodified				
Vertical/undercut				
Vertical + toe				
Steep (>45°)				
Gentle				
Composite				
Use this space to draw profile if different from above, also setting predominant box				
Reinforced				
Embanked				
Set-back embankments				

IV. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

Trees	Left	Right	Ext. 2-3%	None	Present	Ext.
None						
Isolated/scattered						
Regularly spaced, single						
Occasional clumps						
Semi-continuous						
Continuous						
Shading of channel						
Overhanging boughs						
Exposed bankside roots						
Underwater tree roots						
Fallen trees						
Coarse woody debris						

V. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Channel Features	None	Present	Ext.	None	Present	Ext.
Waterfall(s) - free-fall						
Cascade(s) - chute						
Step/pool sequence						
Rapid(s) - whitewater						
Riffle-pool sequence						
Rune(s) - dithered, rippled						
Bell(s) - spoolings						
Glide(s) - smooth, no eddies						
Marginal deadwater - sleet						
Exposed bedrock						
Exposed boulders						
Unvegetated mid-channel bars						
Vegetated mid-channel bars						
Mature island(s)						
Unvegetated side bars						
Vegetated side bars						

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

Bank	Banktop width (m)	Water width (m)	Banktop height (m)	Water depth (m)	Bank height (m)	Embankment height (m)
LEFT BANK	2.25	1.50	2.80	0.05	2.10	
RIGHT BANK						

If thresholds lower than banktop break in slope, indicate: height (m) width(m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (pick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 1 Weirs = Roadbridges = Outfalls = Fords =
 Footbridges = Part of site ☐ Other =
 Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

Channel	Floodplain (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Flora
	Bog
	Cur
	Mud
	Other (state)

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use E or G, or both as appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: Top of site natural, wandering with riffles & pools but majority is sectioned with a high almost vertical bank. One short culvert 15m with free fall at end into a deep pool. Signs of recovery - banks eroding & trees developing

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/m) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 4366
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: SS654195 River: Mole
 Date (d,m,y): 15/02/1995 Time: 1530 Surveyor name: A. Blain
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
 Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☒ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 1 2 Unvegetated point bars 2
 Pools Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC
CHANNEL										
Channel substrate #	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Flow type #	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC

F BANK/OF LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, RM, AC, RP, VL, OW, H, TL, BU

	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LAND USE WITHIN 5m OF BANKTOP (L)	LA	S	S	S	S	S	S	S	S	S
LEFT BANK-TOP (structure within 1m) #100%	B	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) #100%	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) #100%	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) #100%	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or G (grass))

NONE (tick as appropriate)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/bulrushes										
Flowering-leaved (round)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

Use 'x' column for types not occurring in spot checks as well as overall assessment over 500m (use E or G)

SITE NO. 4366 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP. Use E (in 33% banklength) or G (grass)

	L	R		L	R
Broadleaved woodland (BL)			Wooded (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	E
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES: Use E (in 33% banklength) or G (grass)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		

Use this space to draw profile of difference from above, after taking predominant bed

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present
None	<input type="checkbox"/>	<input type="checkbox"/>	E 23%	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub-coniferous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Coniferous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - freefall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - silt	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Runs(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boils(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>
Glides(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	13.0	RIGHT BANK
Banktop height (m)	1.80	15.00	Banktop height (m)
Banktop height (m)			Banktop height (m)
Banktop height (m)			Banktop height (m)

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement in: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (10% only)

M ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Ponds =
 Footbridges = Part of site ☐ Mouth of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other ? State
 weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 2m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Carr
	Marsh
	Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10 then indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other ? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Similar to site 4327 upstream but faster flowing with
 Plants of note: 2 sections of rapids associated with
 Major conservation features: low features
 Major impacts: good areas of riparian scrub on right
 Incidental observations (animals etc): birds at downstream end of reach

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6DB

DATES. Received 6/15 prepared . . . initiated
7-1-76
data
check

PLANTS - Use 1st 4 letters of names of Pot. & Pota. together
+ species if possible of Pota. part & Potamo. in parentheses

Have you completed your request form this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMEN

IONS AND INF.ENCES: PAGE 4 OF 4

1. CHANNEL DIMENSIONS to be measured at one site on a stream

uniform section, preferably across a riffle.

LEFT BANK		Banktop width (m)	6.
Banktop height (m)	1.25	Water width (m)	2.
Embanked height (m)		Water depth (m)	3.
If trashline lower than banktop break in slope, indicate: height (m)			
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated <input type="checkbox"/>			

RIGHT BANK		
Banktop height (m)	1.25	
Embanked height (m)		
width (m)		
Other <input type="checkbox"/>		

Location of measurement is: riffle ☒ run or glide ☐ other ☐

Pick one box: Slr. (IFE only) ☐

2. ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick ☐ where appropriate)

None <input type="checkbox"/>	Number of Culverts = <input type="checkbox"/>	Walls = <input type="checkbox"/>
	Footbridges = <input type="checkbox"/>	Reefridges = <input type="checkbox"/>
Is water level controlled by weir/dam downstream? No <input checked="" type="checkbox"/> Part of <input type="checkbox"/>		

Outfalls = <input type="checkbox"/>	Fords = <input type="checkbox"/>
Other = <input type="checkbox"/>	
Mouth hole of site <input type="checkbox"/>	

3. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging <input type="checkbox"/>	moving <input type="checkbox"/>
weed-cutting <input type="checkbox"/>	enhancement <input type="checkbox"/>

Other ? State ☐

4. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Brick/dike channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input checked="" type="checkbox"/>	Water meadow <input type="checkbox"/>
Loose debris <input type="checkbox"/>	Fen <input type="checkbox"/>

Bag <input type="checkbox"/>	Other (state) <input type="checkbox"/>
Care <input type="checkbox"/>	
Marsh <input type="checkbox"/>	
Fluck <input type="checkbox"/>	

5. CHOSED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒

IS ☐

6. NOTABLE NUISANCE PLANT SPECIES (tick 1 or 2)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐

Other ? State ☐

7. BRIEF DESCRIPTION (ON profile and top view of appropriate)

Descriptive sentence: A 10m wide, shallow, fast-flowing, straight, banked, headwater stream, with a high, steep, eroded, left bank, and a low, eroded, right bank. The stream is a headwater stream, with a high, steep, eroded, left bank, and a low, eroded, right bank. The stream is a headwater stream, with a high, steep, eroded, left bank, and a low, eroded, right bank.

Notes: For more information, look in the notes section.

Plants of note

Major conservation features: None noted but good upland site. The stream is a headwater stream, with a high, steep, eroded, left bank, and a low, eroded, right bank. The stream is a headwater stream, with a high, steep, eroded, left bank, and a low, eroded, right bank. The stream is a headwater stream, with a high, steep, eroded, left bank, and a low, eroded, right bank.

Notes: For more information, look in the notes section.

DISEASED ALDERS (tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees ☐

State ☐








8. COMMENTS (tick one box)

AND COMPLETED FOR: HUGH DAWSON, IFE, RIVER LABORATORY

EAST STONE, IFE, RIVER LABORATORY

Enquiries supplied. Post completed form for

Enquiries supplied. Post completed form for

NRA RIVER HABITAT SURVEY 1995 (REV. 1-1-84) Page 1 of 4			
A BACKGROUND MAP-BASED INFORMATION:			
Altitude (m)	Slope (m/km)	Flow category (1-10)	
Solid geology code	Drift geology code	Planform category	
Distance from source (km)	Significant tributary ?	Navigation ?	
B FIELD SURVEY DETAILS:			
Reference network site number: 44-18			
Mid-section grid reference of network site (if different from designated location):			
COMPLETE THE FOLLOWING FOR ALL SITES			
Grid Reference: SUT19057		River: A/CJ	
Date: 11.5.1995 Time: 12.00.....		Surveyor name: T.B. F.M. 14 AK 70m (write grade) G.C. M.L.E. H.B. 16 F.20	
Adverse conditions affecting survey? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state			
Bed of river visible? No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input checked="" type="checkbox"/> (pick one box)			
Photographs: general character? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (pick one box) <small>Estimated - rather with regard to features</small>		Silt N/A m! Brand	
Site surveyed from: left bank <input type="checkbox"/> right bank <input checked="" type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)			
C. PREDOMINANT VALLEY FORM (tick one box only)			
 <input type="checkbox"/> shallow vee  <input type="checkbox"/> deep vee  <input type="checkbox"/> gorge  <input type="checkbox"/> concave bowl	 <input type="checkbox"/> terraced valley floor  <input checked="" type="checkbox"/> symmetrical floodplain  <input type="checkbox"/> asymmetrical floodplain + N/A/m 70m/min		
D. NUMBER OF RIFFLES, POOLS, AND POINT BARS. (Use 1-11 then indicate total number)			
Riffles in <input checked="" type="checkbox"/>	Unvegetated point bars 0		
Pools in <input checked="" type="checkbox"/>	Vegetated point bars 0		
(FEED = SURVEY TOTAL)			

[illegible]

Potamogeton

SITE NO.	NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP				Page 3 of 4			
4-4-1Q								
LAND USE WITHIN 50m OF BANKTOP: Use E (in 31% hemispher) or I if present								
	L	R		L	R		L	R
Breached/unimproved woodland (BL)				Wetland (e.g. bog, marsh, fen) (WL)				
Ceniferous plantations (CP)				Open water (OW)				
Moorland/heath (MH)				Improved/non-improved grass (G)			E	E
Scrub (SC)		/	/	Tilled land (TL)			/	/
Rough pasture (RP)				Suburban/urban development (SU)				
BANK PROFILES: Use E (in 31% hemispher) or I if present								
Natural/unmodified	L	R	Artificially modified	L	R		L	R
Vertical/cutbank 			Revetted bank 					
Vertical + toe 			Revetted - whole bank 					
Steep (>45°) 		/	Revetted - top only 					
Gentle 		/	Revetted - toe only 					
Composite 			Artificial two-stage 					
Use this space to draw profile's difference from above, what striking predominant here								
			Prescribed 			/	/	
			Embankment 					
			Self-back embankments 					
EXTENT OF TREES AND ASSOCIATED FEATURES								
TREES (Tick one box per bank)				ASSOCIATED FEATURES (Tick one box per feature)				
	Left	Right	%TALL		No tree	Present	%TALL	
None	<input type="checkbox"/>	<input type="checkbox"/>	E > 31%	Eroding channel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		Overlapping boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed backside roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Small-matured trees	<input type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		Course woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
EXTENT OF CHANNEL FEATURES (Tick one box per feature)								
	No tree	Present	E		No tree	Present	E	
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Marginal deadwater - silted	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>		
Step-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>		Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>		
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>		Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>		
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>		
Runs(s) - laminar, stepped	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Vegetated side banks	<input type="checkbox"/>	<input type="checkbox"/>		
Boil(s) - upwelling	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>		
Oxbow(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>		Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>		
				Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>		

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle					
LEFT BANK	Banktop width (m)	12 m	RIGHT BANK		
Banktop height (m)	Water width (m)	9 m	Banktop height (m)	6	
Embanked height (m)	Water depth (m)	2.5	Embanked height (m)		
If bankline lower than banktop break in slope, indicate height (m) width (m)					
Bed material at site is: <input type="checkbox"/> consolidated (temp) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>					
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (pick one box) Slope (FE only)					
N-1. ARTIFICIAL FEATURES (Use 1-10 indicates total number, not "none", where appropriate)					
None <input type="checkbox"/>	Number of Culverts =	Weirs =	Outfalls =	Fords =	
	Footbridges =	Roadbridges =	Others =		
Is water level controlled by weir/dam downstream? No <input checked="" type="checkbox"/> Part of site <input type="checkbox"/> West hole of site <input type="checkbox"/>					
N-2 EVIDENCE OF PEST MANAGEMENT (Tick appropriate box)					
drugging <input type="checkbox"/>		mowing <input type="checkbox"/>		Other? State	
weed-eating <input type="checkbox"/>		enhancement <input type="checkbox"/>			
O-1 FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)					
CHANNEL					
Waterfalls > 5m high <input type="checkbox"/>		FLOODPLAIN (50m corridor)			
Bridled/side channels <input type="checkbox"/>		Artificial open water <input type="checkbox"/>		Bog <input type="checkbox"/> Other (state)	
Ditch/dam <input type="checkbox"/>		Natural open water <input type="checkbox"/>		Carr <input type="checkbox"/>	
Lushy debris <input type="checkbox"/>		Water meadow <input type="checkbox"/>		Marsh <input type="checkbox"/>	
		Fen <input type="checkbox"/>		Flask <input type="checkbox"/>	
P-1 CHOKED CHANNEL (Tick one box)					
Is 35% or more of the channel choked with vegetation? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/>					
Q-1 NOTABLE AQUATIC PLANT SPECIES (Use 1-10 indicates total number, not "none", where appropriate)					
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other? State					
R-1 BRIEF DESCRIPTION (Use prompts and key words as appropriate)					
Descriptive sentence: <u>Small water meadow with some sedge</u>					
Plants of note: <u>None</u>					
Major conservation features:					
Major impacts:					
Incidental observations (animals etc): <u>Common water voles</u>					
IF 2 channels, copy by ticks <input checked="" type="checkbox"/> 1st <input checked="" type="checkbox"/> 2nd					
S-1 DISTASTED ALDERS (Tick one box)					
None <input type="checkbox"/> Present <input checked="" type="checkbox"/> Extensive <input type="checkbox"/> Other distressed trees? State					

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6EB
 E-mail: IFE@riverlab.co.uk Post completed form for posting - labels included

National Rivers Authority

the end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or ✓)

NRA RIVER HABITAT SURVEY 1995: Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/Lm) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 4435
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: S x 217 9:8 River: R City
Date 9/16/1995 Time: 1430 Surveyor name: J. Blackman
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state
Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)
Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Rifles 444 111 (12) Unvegetated point bars 111 (7)
Pools 111 (6) Vegetated point bars

National Rivers Authority

7-5012.15

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide transect)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	NO	NO	EL	EL	EL	EL	EL	EL	EL
CHANNEL	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Channel substrate	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Flow type	FW	FW	FW	FW	FW	FW	FW	FW	FW	FW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EL	EL	EL	EL	EL	EL	EL	EL	EL	EL

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, SH, SC, SP, VL, OW, IG, TL, SU

	SC	RP	FP	RF	SC	RF	EL	SC	SC	SC
LAND USE WITHIN 5m OF BANKTOP (L)	SC	RP <td>FP <td>RF <td>SC</td> <td>RF <td>EL <td>SC</td> <td>SC</td> <td>SC</td> </td></td></td></td>	FP <td>RF <td>SC</td> <td>RF <td>EL <td>SC</td> <td>SC</td> <td>SC</td> </td></td></td>	RF <td>SC</td> <td>RF <td>EL <td>SC</td> <td>SC</td> <td>SC</td> </td></td>	SC	RF <td>EL <td>SC</td> <td>SC</td> <td>SC</td> </td>	EL <td>SC</td> <td>SC</td> <td>SC</td>	SC	SC	SC
LEFT BANK-TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	FP	FP	FP	FP	FP	FP	FP	FP

G. CHANNEL VEGETATION TYPES (Use 1/11 refer to boxes with one entry; use E (in 33% area) or F (present))

	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)										
Live/woody/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/cattails										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

7-5012.15

SITE No. 4435 NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F (if present))

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)	E	E	Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 33% banklength) or F (if present))

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/unobscured			Recessed		
Vertical + toe			Reinforced - whole bank		
Deep (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after using predominant box			Poached		
			Embanked		
			Sei-bank embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	None	Left	Right	ASSOCIATED FEATURES	None	Present	E
None	<input type="checkbox"/>			E ≥ 33%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>			Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>			Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>			Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scal-coniferous	<input type="checkbox"/>			Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coniferous	<input type="checkbox"/>			Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E		None	Present	E
Waterfall(s) - freefall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scrap/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7-5012.15

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	5.00	RIGHT BANK
Banktop height (m)	0.50	Water width (m)	5.00
Embanked height (m)		Water depth (m)	0.55
		Embanked height (m)	

If trachea lower than bank-top break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State
weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Bridges/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Carr
	Marsh
	Flurb

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/11)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Small large stony channel
Plants of note:
Major obstructions:
Major impacts:
Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

7-5012.15

PREFAT I

SITE NO. L-437 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E & 33% banktop) or if present:

	L	R		L	R
Broadleaved woodland (BL)	E	E	Wetland (eg bog, marsh, fen) (W)		
Ceafireous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/best-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

III. BANK PROFILES (Use E & 33% banktop) or if present:

Natural/unmodified	L	R	Artificially modified	L	R
Vertical/intact		E	Revetted		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)		E	Reinforced - top only		
Gentle		✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Feshed		
			Embankment		
			Sea-bank embankment		

Use this space to draw profiles at distance from above, other highly performance box

IV. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	LA	Right	WATER	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E	No TRE
None	<input type="checkbox"/>	<input type="checkbox"/>	< 25%	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	> 25%	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-cocontinuous	<input type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

V. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E	H.W.T.E.
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Step-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ball(s) - spellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Marginal deadening - slick	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Status island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NRA RIVER HABITAT SURVEY 1998: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Rippling width (m)	2.50	RIGHT BANK	
Banktop height (m)	5	Water width (m)	2.25	Banktop height (m)	7.5
Banked height (m)		Water depth (m)	.65	Banked height (m)	

If bankline lower than banktop track in slope, indicate: height (m) _____ width(m) _____

Tod material at site is: ☐ reconstituted (gravel) ☐ unconstituted (grass) ☒ unknown ☐

Location of measurement is: ☒ riffle ☐ run or glide ☐ other ☐ pick one box Slope (IFE only) _____

M ARTIFICIAL FEATURES (tick ☐ indicate total number, tick ☐ nearest where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Footbridges = _____ Pilebridges = _____ Outfalls = _____ Fords = _____

Is water level controlled by weir/dam downstream? No ☒ Yes ☐ Part of site ☐ ☐ West/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ mowing ☐ Other ? State _____
weed-cutting ☐ herbiciding ☐

O FEATURES OF SPECIAL INTEREST (tick appropriate boxes)

CHANNEL	FLOODPLAIN (from centerline)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open space <input type="checkbox"/>
Wildlife channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input checked="" type="checkbox"/>	Wet meadow <input type="checkbox"/>
Large debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Reef <input type="checkbox"/>

Reg ☒ Other (state) _____
Core ☐
Marsh ☐
Flood ☐

P CHOKED CHANNEL (tick one box)

Is 75% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES Over or Under?

Giant Hogweed ☐ Mithras Brahman ☐ Japanese Knotweed ☐ Other ? State _____

R BRIEF DESCRIPTION (Use prompts and try to include appropriate details)

Description features Small winding stream in dense mature forest at bottom of steep sided valley used for sheep camp grazing. Footbridge in flood no open channel with rocky jumps for horses/birds. Unchoked, multi-leveled small channels mostly fast-flowing. Bank dry - largely eroded. Trees and bushes covered with mosses & ferns. Much riparian flora of banks. Evidence of thermal shifts at lowest curve.

Main conservation features Totally unspoiled, small backed river access stream, purpose.

Other impacts None

Incidental observations (animals etc): Deer prints.

FEZ Channel survey by [signature] dated [date]

DISEASED ALGAE (tick one box)

None ☒ Present ☐ Extensive ☐ Other disease threat State _____

END COMPLETED FORM TO HUGH DAWSON, IFE, ARI LABORATORY, EAST STONE, WAREHAM, BH20 0BB

Barcode label P-2-K-2-11-1-1

DATES. Recd
1-11-1973

FLINTS - Use 1st 4 letters of genus of *Potamogeton*
+ species if possible of *Pota* part of *Potamogeton* *potamogeton*

Have you completed your expenses for this week? (send to FWD for signature!)

Table 10.10

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 4441
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: Sx 896 975 River: Cley
Date: 21/5/1995 Time: 12.00 Surveyor name: J. R. Blackburn
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/10 then indicate total number)

Riffles: 1 Unvegetated point bars: 2
Pools: 0 Vegetated point bars: 0

National Rivers Authority

P-434/28 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. * RE, RO, CO, GS, LA, FE, CL, CC, SF, SP, GA, BR, RR, BW	EA	RR	EA	EA	RR	CC	BR	EA	EA	EA
Bank modification(s) NO, SL, PL, PC, M, LM	NO	R1	NO	NO	R1	R1	R1	NO	NO	NO
Bank feature(s) NK, NO, EC, JC, FC, FB, VP, SB, VS	PB	NO	NO	NO	NS	NO	NO	FC	NO	EC
CHANNEL										
Channel substrate * SV, RE, RO, CO, GP, SA, SL, CL, CR	GP	GP	GP	GP	CO	CO	BO	S1	S1	CO
Flow type * FF, CH, BW, UN, CF, RP, UP, SM, AT, SD	SM	RP	BW	SM	SM	RP	BW	SM	SM	SM
Channel modification(s) NK, NO, EC, JC, FC, FB, VP, SB, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) NK, NO, EC, JC, FC, FB, VP, SB, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. * RE, RO, CO, GS, LA, FE, CL, CC, SF, SP, GA, BR, RR, BW	EA	RR	EA	EA	RR	RR	RR	EA	EA	EA
Bank modification(s) NO, SL, PL, PC, M, LM	NO	NO	NO	NO	R1	R1	R1	NO	NO	NO
Bank feature(s) NK, NO, EC, JC, FC, FB, VP, SB, VS	NO	EC	SB	SC	NO	SB	SB	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BL, CP, MH, SC, RP, VL, OW, IG, TL, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	14	16	14	14	14	14	SC	RP	RP	
LEFT BANK-TOP (structure within 1m) R/V/L/C	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) R/V/L/C	S	S	S	S	S	S	B	B	S	B
RIGHT BANK FACE (structure) R/V/L/C	S	S	S	S	S	S	B	B	S	S
RIGHT BANK-TOP (structure within 1m) R/V/L/C	C	S	S	S	S	S	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	SC	SC	SC	SC	SC	SC	RP	RP	
G CHANNEL VEGETATION TYPES (W in relevant boxes with one entry: use E (2-33% area) or P (present))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs Dec. rootlets										
Emergent reeds/sedges/rushes Ph. rootlets										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										
Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or P)										

P-434/28 TL

SITE NO. 4441 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (2-33% banklength) or P (present))

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (2-33% banklength) or P (present))

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predetermined line			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
Left	Right	E (2-33%)	Present E
None		Shading of channel	
Isolated/scattered		Overhanging boughs	
Regularly spaced, single		Exposed bankside roots	
Occasional clumps		Underwater tree roots	
Semi-continuous		Fallen trees	
Continuous		Coarse woody debris	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None		Present E		None		Present E	
Waterfalls - free-fall				Marginal deadwater - slack			
Cascades - chute				Exposed bedrock			
Step/pool sequence				Exposed boulders			
Rapid(s) - whitewater				Unvegetated mid-channel bars			
Riffle-pool sequence				Vegetated mid-channel bars			
Run(s) - disturbed, rippled				Mature island(s)			
Bank(s) - upwellings				Unvegetated side bars			
Glides(s) - smooth, no eddies				Vegetated side bars			

P-434/28 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		RIGHT BANK	
Banktop width (m)	16.75	Banktop width (m)	2.5
Banktop height (m)	2.2	Banktop height (m)	2.5
Embarked height (m)		Embarked height (m)	
Water depth (m)	0.45	Water depth (m)	

If trashline lower than banktop break in slope, indicate height (m) width (m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (iff only)

M ARTIFICIAL FEATURES (Use 1/10 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = 1 Outfalls =
Footbridges = Roadbridges = 1 Other =
Is water level controlled by weir/dam downstream? No ☐ Part of site ☒ 40% Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: T.A.A. cutting
weed-cutting ☐ enhancement ☐ New bank reinforcement
+ riprap + willow + other

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input checked="" type="checkbox"/>
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Bog <input type="checkbox"/>
	Carr <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flush <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/10)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Below 'weir' river broad + quite shallow with large levels, some sedate bank on right, above weir straight + uniform silt + gravel bed with major conservation features: smooth glide, level has dropped considerably since replacement of weir resulting in many incidental observations (animals etc): exposed alder roots (extremely once submerged) highbanks, grey + red silt/clay

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

P-434/28 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 4459
Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: S4 072805 River: 2 ALLEN
Date: 23/11/1995 Time: 09.10 Surveyor name: J. W. PH. L. AK. T. B. W.
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: ...
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes: note 1: meander

D NUMBER OF RIFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Rifles: 11 11 11 11 Unvegetated point bars: 11 11 11 11
Pools: 20 Vegetated point bars: 11 11 11 11

IFB: 11 11 11 11 National Rivers Authority

DATES: heard, found, visited, checked

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

First check 1 is at: upstream end of section (1) (2) (3) (4) (5) (6) (7) (8) (9) (10)

LEFT BANK

Bank material (fine) EA EA EA EA EA EA EA EA EA EA
Bank modification (1) NO NO NO NO NO NO NO NO NO NO
Bank feature(s) NO NO NO NO NO NO NO NO NO NO
Channel note: Use 1-10 to indicate degree of feature

RIGHT BANK

Bank material (fine) EA EA EA EA EA EA EA EA EA EA
Bank modification (1) NO NO NO NO NO NO NO NO NO NO
Bank feature(s) NO NO NO NO NO NO NO NO NO NO

CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry, use 1-10 to indicate degree of feature)

Land use: choose one from 1L, 1P, 1M, 1C, 1A, 1B, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

LAND USE WITHIN 5m OF BANKTOP (1)

LEFT BANK TOP (structure within 1m) BAUC SC BL EL FL SC RF BL EL FL
LEFT BANK FACE (structure) BAUC SC SC SC SC SC SC SC SC SC
RIGHT BANK FACE (structure) BAUC SC SC SC SC SC SC SC SC SC
RIGHT BANK TOP (structure within 1m) BAUC SC SC SC SC SC SC SC SC SC

LAND USE WITHIN 5m OF BANK TOP (2)

SC BL EL FL SC RF BL EL FL

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry, use 1-10 to indicate degree of feature)

NONE (tick) Plant species (tick one)

Emergent broad-leaved herbs ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒
Emergent reeds ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒
Floating-leaved (spotted) ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒
Free-floating ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒
Amphibious ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒
Submerged broad-leaved ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒
Submerged fine-leaved ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒
Filamentous, algae ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F) +

LAUTS - Use 1-10 to indicate degree of feature, use 1-10 to indicate degree of feature + species if possible of point bar or floodplain vegetation

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP (Use 1-10 to indicate degree of feature)

1L 1R 1L 1R

Broadleaved woodland (BL) E E Wetland (eg bog, marsh, fen) (WL)
Coniferous plantation (CP) Open water (OW)
Moorland/heath (MH) Improved/semi-improved grass (IG)
Scrub (SC) Tilled land (TL)
Rough pasture (RP) Suburban/urban development (SU)

BANK PROFILES (Use 1-10 to indicate degree of feature)

Natural/unmodified L R Artificial/unmodified L R

Vertical undercut 2 2 Reinforced - whole bank 2 2
Vertical + toe 2 Reinforced - top only 2 2
Steep (>45°) 2 Reinforced - toe only 2 2
Gentle 2 Artificial two-stage 2 2
Composite 2 Perched 2 2
Use 1-10 to indicate degree of feature, use 1-10 to indicate degree of feature

EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per feature) ASSOCIATED FEATURES (Tick one box per feature)

None L R None Present E NO YES
Isolated/scattered ☐ ☐ Shading of channel ☐ ☐ ☐ ☐
Regularly spaced, single ☐ ☐ Overhanging boughs ☐ ☐ ☐ ☐
Occasional clumps ☐ ☐ Exposed backside roots ☐ ☐ ☐ ☐
Stem-contiguous ☐ ☐ Underwater tree roots ☐ ☐ ☐ ☐
Continuous ☐ ☐ Fallen trees ☐ ☐ ☐ ☐
Coarse woody debris ☐ ☐ Coarse woody debris ☐ ☐ ☐ ☐

EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None Present E NO YES
Waterfall(s) - freefall ☐ ☐ Marginal deadwater - slack ☐ ☐ ☐ ☐
Cascades(s) - chute ☐ ☐ Exposed bedrock ☐ ☐ ☐ ☐
Step/pool sequence ☐ ☐ Exposed boulders ☐ ☐ ☐ ☐
Rapid(s) - midwater ☐ ☐ Unvegetated mid-channel bars ☐ ☐ ☐ ☐
Riffle-pool sequence ☐ ☐ Vegetated mid-channel bars ☐ ☐ ☐ ☐
Run(s) - disturbed, rippled ☐ ☐ Mature island(s) ☐ ☐ ☐ ☐
Belt(s) - upwellings ☐ ☐ Unvegetated side bars ☐ ☐ ☐ ☐
Glide(s) - smooth, no eddies ☐ ☐ Vegetated side bars ☐ ☐ ☐ ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 4.75 RIGHT BANK
Banktop height (m) 0.55 Water width (m) 4.0 Banktop height (m) 0.55
Banked height (m) Water depth (m) 0.15 Banked height (m)
If bankline lower than banktop break in slope, indicate height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

ARTIFICIAL FEATURES (Use 1-10 to indicate degree of feature, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = ☐ ☐ ☐ ☐
Footbridges = ☐ ☐ ☐ ☐ ☐ ☐
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

digging ☐ mowing ☐ Other? State: ...
weed-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (Tick appropriate box)

CHANNEL Waterfalls > 5m high ☐ FLOODPLAIN (10m corridor)
Bridled/side channels ☐ Natural open water ☐ Bog ☐ Other (state): ...
Debris dams ☐ Water meadow ☐ Carr ☐ ☐ ☐ ☐
Loose debris ☐ Flax ☐ Marsh ☐ ☐ ☐ ☐ ☐

CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

NOTABLE NUISANCE PLANT SPECIES (Use 1-10 to indicate degree of feature, tick 'none' where appropriate)

Ghost Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: ...

BRIEF DESCRIPTION (Use 1-10 to indicate degree of feature, tick 'none' where appropriate)

Descriptive statement: Heavily shaded, mostly 'shallow' gravelly - long
Plants of note: - riffles - run - glide - no bank with pools and
Major conservation features: side a lot of marginal deadwater on bank +
Major impacts: behind fallen trees, one very mature island
Incidental observations (animals etc): formed by channel splitting

IFB: 11 11 11 11

DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State: ...

SEND COMPLETED FORM TO: DAVID DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 4BB

Enquiries supplied! Post completed form for processing. Labels supplied.

Have you completed your species form this week? (Send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone)

Mat. = Material = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. #	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate #	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Flow type #	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. #	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BE, CP, NH, SC, RP, RL, OV, TG, TL, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP (structure within 1m) BAUSC	S	L	A	S	S	U	S	S	S	S
LEFT BANK FACE (structure) BAUSC	U	L	S	S	U	B	S	S	S	S
RIGHT BANK FACE (structure) BAUSC	S	S	S	S	S	B	S	B	L	S
RIGHT BANK-TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)										

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or V (present))

	1	2	3	4	5	6	7	8	9	10
NONE (pick as appropriate)										
Livingstonia/mosses/lichens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone)

Mat. = Material = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. #	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate #	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Flow type #	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. #	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BE, CP, NH, SC, RP, RL, OV, TG, TL, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP (structure within 1m) BAUSC	S	L	A	S	S	U	S	S	S	S
LEFT BANK FACE (structure) BAUSC	U	L	S	S	U	B	S	S	S	S
RIGHT BANK FACE (structure) BAUSC	S	S	S	S	S	B	S	B	L	S
RIGHT BANK-TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)										

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or V (present))

	1	2	3	4	5	6	7	8	9	10
NONE (pick as appropriate)										
Livingstonia/mosses/lichens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 4464

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or V if present)

	L	R	L	R
Broadleaved/deciduous woodland (BL)			Wetland (eg bog, marsh, fen) (WL)	✓
Coniferous plantation (CP)			Open water (OW)	
Moorland/heath (MH)	✓	✓	Improved/semi-improved grass (IG)	
Scrub (SC)			Tilled land (TL)	
Rough pasture (RP)			Suburban/urban development (SU)	

I BANK PROFILES (Use E (≥ 33% banklength) or V if present)

	L	R	L	R
Natural/unmodified			Artificial/modified	
Vertical/undercut	✓	✓	Recessed	
Vertical + toe	✓	✓	Reinforced - whole bank	
Slope (> 45°)	✓	✓	Reinforced - top only	
Gentle	✓	✓	Reinforced - toe only	
Composite			Artificial two-stage	
Use this space to draw profile if different from above, else sitting predetermined box			Recessed	
			Embanked	
			Set-back embankments	

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	E
None			Shading of channel	✓		
Isolated/scattered	✓	✓	Overhanging boughs	✓		
Regularly spaced, single			Exposed bankside roots	✓		
Occasional clumps			Underwater tree roots	✓		
Semi-continuous			Fallen trees	✓		
Continuous			Coarse woody debris	✓		

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	None	Present	E
Waterfall(s) - free-fall		✓	Marginal deadwater - slack		
Cascade(s) - chute		✓	Exposed bedrock		
Step/pool sequence		✓	Exposed boulders		
Rapid(s) - whitewater		✓	Unvegetated mid-channel bars		
Riffle-pool sequence	✓		Vegetated mid-channel bars		
Run(s) - disturbed, rippled	✓		Mature island(s)		
Boil(s) - upwellings		✓	Unvegetated side bars		
Slide(s) - smooth, no eddies		✓	Vegetated side bars		

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	18.75	
Banktop height (m)	1.2	1.15
Embanked height (m)		0.75
Water width (m)	15.0	
Water depth (m)		0.75
Embanked height (m)		

If thresholds lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (1/E only)

M ARTIFICIAL FEATURES (Use V if present, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other 1 State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Bog <input checked="" type="checkbox"/>
	Other (state)

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use V or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other 1 State

R BRIEF DESCRIPTION (Use prompt and key words as appropriate)

Descriptive sentences: high gradient, bedrock channel, stream with large boulders, 1 mature island (mid-run) at lower end of reach, 1 waterfall 4-5m run.

Major conservation features: lots of cascades, no riffles or full width pools.

Major impacts: Gony wartytails.

Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

<div style="display: flex; justify-content: space-between;"> NRA RIVER HANTART SURVEY 1995 IFE 7-1-A Page 1 of 4 </div>			
A BACKGROUND MAP-BASED INFORMATION:			
Altitude(m)	Slope (m/km)	Flow category (1-10)	
Solid geology code	Drift geology code	Planform category	
Distance from source(km)	Significant tributary ?	Navigation ?	
B FIELD SURVEY DETAILS			
Reference network site number: 4-4-65			
Mid-section grid reference of network site if different from designated location:			
COMPLETE THE FOLLOWING FOR ALL SITES			
Grid Reference: SK 695 849		River: KOWE	
Date 1.1.95/1995 Time: 15.00		Surveyor name: TS. (74) PH 16 AK 7849 (unit grade) 66 mly 40 16 FND	
Adverse conditions affecting survey? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state			
Bed of river visible? No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input checked="" type="checkbox"/> (tick one box)			
Drawings: photographs: general character? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (tick one box) with site No on board [Presented - rather than report of features]			
Site surveyed from: left bank <input checked="" type="checkbox"/> right bank <input type="checkbox"/> channel <input checked="" type="checkbox"/> (tick as appropriate)			
C PREDOMINANT VALLEY FORM (tick one box only)			
 <input checked="" type="checkbox"/> shallow vee	 <input type="checkbox"/> terraced valley floor		
 <input type="checkbox"/> deep vee	 <input type="checkbox"/> symmetrical floodplain		
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain		
 <input type="checkbox"/> concave/bowl	+ NOTES/extra diagram		
D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)			
Riffles 19	Unvegetated point bars 2		
Pools 7	Vegetated point bars		

IFE 7-1-A - See env 1995/12

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS											Page 2 of 4
Riffles W/F/T	Pools W/F/T	Unvegetated point bars 1					Vegetated point bars 1				
B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (A) (mark presence) feature (V)											
Spot check 1 bank vegetation and composition	(if site not checked)	1	2	3	4	5	6	7	8	9	10
LEFT BANK location description:											
Bank material (core)	REF: SO, CO, LE, FE, CL	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	<input checked="" type="checkbox"/> NO, SL, FC, M, LK	N0	N0	FC	N0	N0	N0	N0	N0	N0	N0
Bank feature(s)	<input checked="" type="checkbox"/> NC, SC, CF, F, V, S, VS	N0	N0	N0	SB	N0	N0	N0	N0	N0	N0
CHANNEL NOTE - Use space below edge of each check											
Channel substrate (core)	REF: SO, CO, CP, FI, SI, CL, R	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type (core)	FF, CH, SV, VW, GP, SF, VP, SM, SP, SD	RP	SV	VW	RP	VP	SM	SM	RP	SV	VW
Channel modification(s)	<input checked="" type="checkbox"/> NO, SL, M, LK, FO	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Channel features	<input checked="" type="checkbox"/> NO, SB, RP, VP, SI, TR	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
RIGHT BANK location description:											
Bank material (core)	REF: SO, CO, FI, EA, FE, CL	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	<input checked="" type="checkbox"/> NO, SL, FC, M, LK	N0	N0	NO	N0	N0	N0	N0	N0	N0	N0
Bank feature(s)	<input checked="" type="checkbox"/> NC, SC, CF, F, V, S, VS	SB	N0	SB	N0	N0	N0	N0	N0	CB	SB
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide passsed)											
Land use: choose one from BL, CR, TM, SC, LP, VL, OW, TL, WU											
LAND USE WITHIN 5m OF BANKTOP (L)		EB	EP	RP	BL	SC	RP	EB	BL	WL	BL
LEFT BANK-TOP (structure within 1m)		BASIC	C	V	C	C	C	S	C	S	S
LEFT BANK FACE (structure)		BASIC	C	S	C	C	C	S	S	V	S
RIGHT BANK FACE (structure)		BASIC	C	V	C	S	C	C	V	V	C
RIGHT BANK-TOP (structure within 1m)		BASIC	C	V	C	C	C	V	V	C	C
LAND USE WITHIN 5m OF BANK TOP (R)		BL	RP	RP	BL	WL	SC	EP	WL	BL	EL
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (to 15% area) or I (percent))											
NONE (tick)											
Plant growth (water)											
Emergent trees/shrubs											
Emergent herbs											
Floating-leaved (epiphytic)											
Free-floating											
Amphibious											
Submerged - broad-leaved											
Submerged fine-leaved											
Filamentous algae											

Use end "catch-all" column for types not occurring. In spot checks as well as overall assessment over 500m (use E or I).

PLANTS - Use 1st 4 letters of Genus of Pota & Pota myceta
+ species if possible of Pota sect & Pota myceta sectivatus

52

LAND USE WITHIN 50m OF BANKTOP Cite # (≥ 35% banklength) or if present					
	L	R		L	R
Breathable/unimproved woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Carex/moss plantations (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Sods (SC)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Tilted land (TL)		
Recrey pasture (RP)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Suburban/urban development (SU)		

I. BANK PROFILES Use B (≥ 35% banklength) or if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/cut/recent		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	Retained		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	Reinforced - top only		
Gully		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	Reinforced - toe only		
Composite			Artificial two-stage		
Use all types to draw profile at Cross from above, after fully predetermined line			Poached		<input checked="" type="checkbox"/>
			Embankment		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)						
	Left	Right	NOT E	E ≥ 35%	None	Present	B	NOT E
None	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Firm-continuous	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	B	NOT E	None	Present	B	NOT E
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Marginal deadwater - silted	<input type="checkbox"/>	<input type="checkbox"/>	
Cascades(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bedrock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Step-pool sequences	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Rapids(s) - whitewater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Riffle-pool sequences	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Runs(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Bail(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

1. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle.)

LEFT BANK		RIGHT BANK
Banktop width (m)		3.5
Banktop height (m)	1.75	Water width (m) 4 Banktop height (m) 2.75
Bankbed height (m)		Water depth (m) 0.7 Embankment height (m)

If bankline lower than banktop break in slope, indicate: height (m) width(m)

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ eddy ☐ slack (if any) ☐ Slope (IFE only)

2. ARTIFICIAL FEATURES (Use 1-10 to indicate count number, tick "none" where appropriate)

None <input checked="" type="checkbox"/>	Number of	Checkmark	Wetland	Outfalls	Fence
			Reedbeds		

Is water level controlled by wetland downstream? No ☒ Part of site ☐ Most/hole of site ☐

3. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State None

weeding ☐ enhancement ☐

4. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (don't consider)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/side channels <input checked="" type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input checked="" type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>

Boag ☐ Other (state) None

Crab ☐

Marsh ☒

Flush ☐

5. CHOKED CHANNEL (Tick one box)

Is 35% or more of the channel choked with vegetation? NO ☒ YES ☐

6. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 or tick "None")

Glazed Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State None

7. BRIEF DESCRIPTION (Use phrases and key words as appropriate)

Descriptive sentence: Channel small, mostly siltation through weeds with adjacent wetland. Suckling plants, many silt, and bars & cut-off channels.

Phrase of note: Many clumps of mosses, liverworts. [Cherry] wanted to note it here -

Major conservation features: Varied habitats predominantly supporting a variety of life.

Major impacts: Cat's poaching

Incidental observations (animals etc): lots small fish, birds

8. IFE Check and comments ☒ filtered ☐

9. DISEASED ALDERS (tick one box)








None ☒ Present ☐ Extensive ☐ Other diseased trees? State None

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Embankment marked 1 Post completed form for poaching. Labels supplied with form.

24922

Envelopes supplied! Post collected filter for processing. Labels supplied as requested.

<div style="display: flex; justify-content: space-between;"> NRA RIVER HABITAT SURVEY 1995 IFR 1-1-A Page 1 of 4 </div>			
A. BACKGROUND MAP-BASED INFORMATION:			
Altitude(m)	Slope (m/km)	Flow category (1-10)	
Solid geology code	Drift geology code	Platform category	
Distance from source(km)	Significant tributary ?	Navigation ?	
B. FIELD SURVEY DETAILS:			
Reference network site number: <u>4466</u>			
Mid-section grid reference of network site if different from designated location:			
COMPLETE THE FOLLOWING FOR ALL SITES			
Grid Reference: <u>SX 7448 14</u>		River: <u>WRAY BROOK</u>	
Date <u>2.1.96/1995</u> Time: <u>0930</u>		<div style="display: flex; justify-content: space-between;"> Surveyor name (write in full) <u>JB TW PH LG AK TOW</u> </div>	
Adverse conditions affecting survey? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state _____			
Bed of river visible? No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input checked="" type="checkbox"/> (tick one box)			
<div style="display: flex; justify-content: space-between;"> Describe Photographs: general character? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (tick one box) special features <input checked="" type="checkbox"/> (write in full) </div>			
<div style="display: flex; justify-content: space-between;"> [Essential - return visits required if failures?] with GPS on board </div>			
Site surveyed from: left bank <input checked="" type="checkbox"/> right bank <input type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)			
C. PREDOMINANT VALLEY FORM (tick one box only)			
	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl	+ NOTES/obs. Diagonal	
D. NUMBER OF RIFFLES, POOLS AND POINTE BARS (Use 1/4 then indicate total number)			
Riffles <u>14</u>	Unvegetated point bars <u>1</u>		
Pools <u>9</u>	Vegetated point bars <u>1</u>		
IFR 1-1-A - 5th ed. 1995 (1.1)			
National Rivers Authority			

Page 2 of 4

NRA RIVER HABITAT SURVEY 2025: TEN SPOT CHECKS

Riffles 11/15/21 Pools 11/15/21 Unvegetated point bars 1 Vegetated point bars 1

Physical Attributes (to be assessed across channel within a 2m wide strip) (Mark position) Factors (to be assessed across channel within a 2m wide strip)

Spot check 1 is at: upstream end of riffle (tick one) 1 2 3 4 5 6 7 8 9 10

LEFT BANK low, down, low PC

Bank material (fine) FF, SO, CO, GL, SA, FL, CL CA SA CA EA EA BR BR CA CA CA

Bank modification(s) NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NO NO NO NO NO NO NO NO NO NO

CHANNEL NOTE - Use random aspects of habitat FG CP RG FG CP

Channel substrate (fine) NO, BR, CO, CL, SA, FL, CL, CL, CL CP CP BO CP CP CP CP CP CP

Flow type (fine) FF, CO, CO, GL, SA, FL, CL, CL, CL SM CP UV UV CP CP CP UV SM UV

Channel modification(s) NO NO NO NO NO NO NO NO NO NO

Channel feature(s) NO NO NO NO NO NO NO NO NO NO

RIGHT BANK low, down, low PC

Bank material (fine) FF, SO, CO, GL, SA, FL, CL CA CA CA CA EA EA EA EA EA SP

Bank modification(s) NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NO NO NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 16m wide stream)

Land use: choose one from PL, CP, FL, CL, SP, FL, CO, NO, FS, etc. PL CP FL CL SP FL CO NO FS etc.

LAND USE WITHIN 5m OF BANKTOP (L) CP CP CP CP CP CP CP CP CP CP

LEFT BANK-TOP (structure within 1m) FL FL FL FL FL FL FL FL FL FL

LEFT BANK FACE (structure) FL FL FL FL FL FL FL FL FL FL

RIGHT BANK FACE (structure) FL FL FL FL FL FL FL FL FL FL

RIGHT BANK-TOP (structure within 1m) FL FL FL FL FL FL FL FL FL FL

LAND USE WITHIN 5m OF BANK TOP (R) CP CP CP CP CP CP CP CP CP CP

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use B (5-33% cover), or V (direct))

NONE (pic) Plant species (alt. row)

Emergent ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Submerged ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Floating-leaved (spotted) ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Free-floating ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Amphibious ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Submerged ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Floating-leaved ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Filament, algae ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

REFLECT SITE NO. 4466 NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP. Cir E ($\approx 3\%$ banklength) or / if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantations (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/reimproved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)	E	E	Suburban/urban development (SU)	<input checked="" type="checkbox"/>	E

BANK PROFILES Use E ($\approx 3\%$ banklength) or / if present

	L	R		L	R
Natural/unmodified			Artificial/modifed "		
Vertical/cut-scut		<input checked="" type="checkbox"/>	Recessed		
Vertical + toe			Reinforced - whole bank		<input checked="" type="checkbox"/>
Steep (> 45°)			Reinforced - top only		
Gentle		E	Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile at distance from above, after taking predetermined box			Poached		<input checked="" type="checkbox"/>
			Embanked		<input checked="" type="checkbox"/>
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	ASSOCIATED FEATURES (Tick one box per feature)			
	Left	Right	Notes	Notes
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Stading of channel	<input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Semi-clonous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present H	None	Present H	Notes
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water - silt	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Cascades(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Rapid(s) - white-water	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
Riffle-pool sequences	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature lateral(s)	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	

NFA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS are measured at one site on a straight uniform section, preferably across a riffle.

LEFT BANK		Banktop width (m)	4.75	RIGHT BANK	
Banktop height (m)	0.6	Water width (m)	4.2	Banktop height (m)	0.6
Embedded height (m)		Water depth (m)	0.15	Embedded height (m)	

If trashes lower than banktop break in slope, indicate height (m) width(m)

Dred material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (tick ☒ indicates total number, tick "none" where appropriate)

None ☐ Number of Culverts = Water = Outfalls = 2 Ponds =
Footbridges = 2 Roadbridges = Other =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/w hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT. (Tick appropriate box)

dredging ☐ mowing ☐ Other ? State
weed-cutting ☐ enhancement ☐ tree felling 1+ more different

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (30m corridor)	
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bag <input type="checkbox"/> Other (state)
Braided/wide channels <input checked="" type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>
Debris dams <input checked="" type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES - One / or More (tick all that apply)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate) (The following)

Descriptive sentence: stream from village center towards pitch and rough pasture
Some of hard been margin - boulders for cascades indicated. Direction of flow to stream from houses in village. One hatch well operated.
Plants of both sides.

Major conservation features: Extensive pool/shap, runs in sequence where cascades less
man-made with boulders. Features recent village washes
Major impacts: tree cutting in bank side opposite maintained banks by garden S. Some
poaching by rabbits/sheep.

Incidental observations (animals etc):

IFE checked and sent by letter D filtered IV

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6B

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 4467

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: Sx 886 825 River: Bramble brook

Date 2.1.95 Time: 09.15 Surveyor name: T. Blackman

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 1/11 Unvegetated point bars 1

Pools 1/11 Vegetated point bars 7

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel width at 1m wide zone)

Mat. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. = Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	VB	VB	VB	VB	VB	VB	VB	VB	VB	VB
RIGHT BANK										
Mat. = Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANK OF LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BL, CP, MH, SC, SP, WZ, OW, IG, TL, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	16	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m) BL/SC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BL/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BL/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BL/SC	1A	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	16	16	16	16	16	16	16	16	16	16
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or / (present))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-linear-leaved										
Filamentous algae										

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Moorland/heath (MH)			Tilled land (TL)		
Scrub (SC)			Suburban/urban development (SU)		
Rough pasture (RP)					

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R	Artificial/modified	L	R
Natural/unmodified			Rescued		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Steep (> 45°)			Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Poached		
Use this space to draw profile if different from above, after ticking predominant box			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - silt	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scrap/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Race(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Beil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		RIGHT BANK
Banktop width (m)	6.4	Banktop height (m)
Banktop height (m)	1.7	Water width (m)
Embanked height (m)		Water depth (m)
		Embanked height (m)
		width(m)

If upstream lower than banktop break in slope, indicate: height (m) width(m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (1/E only)

M ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Footbridges = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: Slate

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water <input type="checkbox"/>
Braided/side channels	Natural open water <input type="checkbox"/>
Debris dams	Water meadow <input type="checkbox"/>
Leafy debris	Fen <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use / or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: Slate

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: steep gradient stream in high steep banks

Plants of note: Cowslip stream with riffles + cascades

Major conservation features: Below lower end of reach stream dominated by

Major impacts: create a series of pools

Incidental observations (animals etc): very unmanaged wooded banks with

much fallen timber + abundant Bryophyte growth (not long known)

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: Slate

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: 10A P.A.A. Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4470
Mid-section grid reference of network site (if different from designated location):
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: 5YS14899 River: BRIDE
Date 21.5/1995 Time: 14.00 Surveyor name: J.B. 74 (M) 16 AK 704
Adverse conditions affecting survey? No Yes If yes, state:
Bed of river visible? No partially entirely (tick one box)
Photographs: general character? No Yes (tick one box)
Site surveyed from: left bank right bank channel (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

shallow vee terraced valley floor
deep vee symmetrical floodplain
gorge asymmetrical floodplain
concave/bowl + notes/notes

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 10 Unvegetated point bars 4
Pools 2 Vegetated point bars
National Rivers Authority

DATE: 21.5/1995

NAME: J.B.

GRID: 5YS14899

RIVER: BRIDE

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 10 Pools 2 Unvegetated point bars 4 Vegetated point bars 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream downstream (tick one)

LEFT BANK (to be assessed across channel within a 1m wide zone)

Bank material (fine) EA EA EA EA EA EA EA EA EA EA
Bank modification(s) NO NO NO NO NO NO NO NO NO NO
Bank feature(s) NO NO NO NO NO NO NO NO NO NO
Channel note: Use 1-11 to describe channel
Channel substrate (fine) GP GP GP GP GP GP GP GP GP GP
Flow type (fine) RP RP RP RP RP RP RP RP RP RP
Channel modification(s) NO NO NO NO NO NO NO NO NO NO
Channel feature(s) NO NO NO NO NO NO NO NO NO NO

RIGHT BANK (to be assessed across channel within a 1m wide zone)

Bank material (fine) EA EA EA EA EA EA EA EA EA EA
Bank modification(s) NO NO NO NO NO NO NO NO NO NO
Bank feature(s) NO NO NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from FL, GP, NW, SC, AP, WL, OW, H, TL, SW

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK TOP (structure within 1m) BAUSC U U S S S S S S S S
LEFT BANK FACE (structure) BAUSC U U S S S S S S S S
RIGHT BANK FACE (structure) BAUSC S S U U S S S S S S
RIGHT BANK TOP (structure within 1m) BAUSC S S U U S S S S S S
LAND USE WITHIN 5m OF BANK TOP (R) BL FL TL TL TL TL BL TL SC BL

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E in 33% area or 4 (percent))

NONE (tick) Plant species (tick one)
Liverworts/algae/mosses
Emergent broad-leaved herbs
Emergent reeds/rushes
Floating-leaved (rooted)
Free-floating
Amphibious
Submerged broad-leaved
Submerged fine-leaved
Filamentous, algae

and 'catchall' column for types not occurring in spot checks as well as overall assessment over 500m (use E or 4)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E in 33% banklength) or 4 (percent)

Broadleaf/woodland (BL) Wetland (eg bog, marsh, fen) (WT)
Coniferous plantation (CP) Open water (OW)
Moorland/heath (MH) Improved/semi-improved grass (IG)
Sods (SC) Tilled land (TL)
Rough pasture (RP) Suburban/urban development (SU)

I. BANK PROFILES (Use E in 33% banklength) or 4 (percent)

Natural/unmodified L R Artificial/modified L R
Vertical/undercut Reinforced - whole bank
Vertical + toe Reinforced - toe only
Steep (> 45°) Reinforced - toe only
Gentle Reinforced - toe only
Composites Artificial two-stage
Use this space to draw profile of channel form above, after filling predetermined box
Patched
Embedded
Set-back embankments

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank) Left Right Water
None Shading of channel
Isolated/scattered Overhanging boughs
Regularly spaced, single Exposed bankside roots
Occasional clumps Underwater tree roots
Semi-continuous Fallen trees
Continuous Coarse woody debris

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall Marginal deadwater - slack
Cascade(s) - chute Exposed bedrock
Step/pool sequence Exposed boulders
Rapid(s) - whitewater Unvegetated mid-channel bars
Riffle/pool sequence Vegetated mid-channel bars
Run(s) - disturbed, rippled Mature island(s)
Belt(s) - upwelling Unvegetated side bars
Glide(s) - smooth, no eddies Vegetated side bars

Have you completed your sweep from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 4.75 RIGHT BANK
Banktop height (m) 1.65 Water width (m) 3.60 Banktop height (m) 1.40
Banktop height (m) 0.4 Water depth (m)
If trawl line lower than banktop break in slope, indicate: height (m) width (m)
Bed material at site: consolidated (compact) unconsolidated (loose) unknown
Location of measurement is: riffle run or glide other (tick one box) Slope (H/E only) 2.90

M. ARTIFICIAL FEATURES (Use 1-11 to indicate total number; tick 'none' where appropriate)

None Number of Culverts = 2 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 2 Roadbridges = 0 Other = 0
Is water level controlled by weirs/dams downstream? No Part of site
Is water level controlled by other means? No Part of site

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging mowing Other? State
weed-cutting enhancement

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL FLOODPLAIN (50m corridor)
Waterfalls > 5m high Artificial open water Bog
Braided/wide channels Natural open water Carr
Debris dams Water meadow Marsh
Leafy debris Fen Flush

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO YES

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11 to indicate total number; tick 'none' where appropriate)

Giant Hogweed Himalayan Balsam Japanese Knotweed Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Down cutting channel with high banks. Bank with
Plants of note: Areas of deep water but with plenty of fish.
Major conservation features: Since into still working but fairly open habitat.
Incidental observations (animals etc):
If 2 channel sweep taken D filtered
DISEASED ALDERS (Tick one box)
None Present Extensive Other diseased trees? State
SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB
Envelopes supplied! Post completed form for processing - labels supplied separately

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source(km) _____ Significant tributary? ☒ No Navigation? ☒ 1/0

B FIELD SURVEY DETAILS

Reference network site number: 4471

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SV62817 River: Wey

Date 22/1/1995 Time: 11.30 Surveyor name: W. J. A. K. 78m

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

End of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Photographic: general character? No ☐ Yes ☒ (tick one box) See note on back

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ asymmetrical floodplain

☐ gorge ☐ asymmetrical floodplain + notes on back

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 6 Unvegetated point bars _____

Pools 1 Vegetated point bars _____

FE: (ind. - see note on back)

National Rivers Authority

J. A. K. 78m

W. J. A. K.

22/1/95

11.30

SV62817

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at upstream end of site (tick one)

LEFT BANK: Leaving downstream

Bank material (one) SL, SO, CL, GL, FL, PL, CL

Bank modification(s) ☒ NO, SL, CL, FL, PL, CL

Bank feature(s) ☒ NO, SL, CL, FL, PL, CL

CHANNEL NOTE: Use of vegetation

Channel substrate (one) SL, SO, CL, GL, FL, PL, CL

Flow type (one) IF, OF, W, U, C, P, S, M, S, M

Channel modification(s) ☒ NO, SL, CL, FL, PL, CL

Channel feature(s) ☒ NO, SL, CL, FL, PL, CL

RIGHT BANK: Leaving downstream

Bank material (one) SL, SO, CL, GL, FL, PL, CL

Bank modification(s) ☒ NO, SL, CL, FL, PL, CL

Bank feature(s) ☒ NO, SL, CL, FL, PL, CL

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CL, SO, GL, FL, PL, CL, FL

LAND USE WITHIN 5m OF BANKTOP (SL) 1G 1S 1S 1S 1G 1G 1G 1G 1G 1G

LEFT BANK-TOP (structure within 1m) SL, CL

LEFT BANK FACE (structure) SL, CL

RIGHT BANK FACE (structure) SL, CL

RIGHT BANK-TOP (structure within 1m) SL, CL

LAND USE WITHIN 5m OF BANK TOP (R) 1G 1S 1G 1S 1G 1G 1G 1G 1G 1G

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (to 33% area) or F (present))

NONE (tick) ☒ Plant growth (tick one)

Emergent broad-leaved herbs ☒ Sp. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Emergent reed/ sedge/ grasses ☒ Sp. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Floating-leaved (round) ☒ Sp. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Free-floating ☒ Sp. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Amphibious ☒ Sp. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Submerged - broad-leaved ☒ Sp. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Submerged fine-leaved ☒ Sp. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Filament, algae ☒ Sp. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Use end 'each-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use tick marks of groups 1-10 in vegetation + species if possible eg. Pol. just a Potamogeton perfoliatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 4471

H LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or F if present)

	L	R		L	R
Broadleaved/woodland (BL)		<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WZ)		
Coniferous plantation (CT)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub (SC)		<input checked="" type="checkbox"/>	Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		<input checked="" type="checkbox"/>

I BANK PROFILES (Use E (to 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut	<input checked="" type="checkbox"/>		Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>		Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial to o-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Use this space to draw profile if different from above, after taking predominant box					
	Peached <input checked="" type="checkbox"/>				
	Embanked <input checked="" type="checkbox"/>				
	Set-back embankments <input checked="" type="checkbox"/>				

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	WATER	E (to 33%)	None	Present E	Notes
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Semi-coniferous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Coniferous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E	Notes
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater - slack	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Glides(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Have you completed your enquiries from this week? (send to FWD for signature!)

P. A. K. 78m

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	<u>1.50</u>	Banktop height (m)
Banktop width (m)	<u>5.50</u>	Banktop width (m)
Embanked height (m)	<u>0.12</u>	Embanked height (m)

If trashes lower than banktop break in slope, indicate: height (m) 0.80 width (m) 7.50

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) 26°

M ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 1 Weirs = 3 Outfalls = 1 Ferds = 1

Is water level controlled by weir/dam downstream? No ☐ Part of site ☒ (tick one box)

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☒ Other? State Right bank... grass

weir-cutting ☐ enhancement ☐ if red mill.

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	Bog	Other (state)
Waterfalls > 5m high	Artificial open water	<input checked="" type="checkbox"/>	
Braided/ridge channels	Natural open water	<input checked="" type="checkbox"/>	
Debris dams	Water meadow	<input checked="" type="checkbox"/>	
Leafy debris	Fen	<input checked="" type="checkbox"/>	

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/11 indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: 200m above sluice gate old mill stream, with 10m wide for some of length on left bank. Below sluice gate through growth of old mill and dense water meadows.

Major conservation features: _____

Major impacts: _____

Incidental observations (animals etc): _____

S DISEASED ALGAE (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing - labels supplied

NRA RIVER HABITAT SURVEY 1995: 1P, 2A-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 4473

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES Phys. gully No 4483

Grid Reference: SY811890 River: Frome

Date 23.5.1995 Time: 10.00 Surveyor name: J.B. J.W. (P) 16 AK 700

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) Site No on board

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM: (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

+ NOTES/extra diagrams

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 3 Unvegetated point bars

Pools 1 Vegetated point bars

IFE - Mod - See only (100%)

National Rivers Authority

DATES: heard
14.02.95

found

valley

drift

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 11 Pools 1 Unvegetated point bars 1 Vegetated point bars 1

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at upstream end of site (tick one)

LEFT BANK bank in, downstream

Bank material (mud) EA EA EA EA EA EA EA EA EA

Bank modification(s) NO NO NO NO NO NO NO NO NO

Bank feature(s) NO SC NO NO NO NO NO NO NO

CHANNEL NOTE: Use bank in, downstream

Channel substrate (fine) GP GP GP GP GP GP GP GP GP

Flow type (fine) RP RP RP RP RP RP RP RP RP

Channel modification(s) NO NO NO NO NO NO NO NO NO

Channel feature(s) MB MB MB MB MB MB MB MB MB

RIGHT BANK bank in, downstream

Bank material (mud) EA EA EA EA EA EA EA EA EA

Bank modification(s) NO NO NO NO NO NO NO NO NO

Bank feature(s) NO SC NO NO NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, HM, SC, EP, NL, OW, IG, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) 16 16 16 16 16 16 16 16 16 16

LEFT BANK TOP (structure within 1m) SC SC SC SC SC SC SC SC SC

LEFT BANK FACE (structure) SC SC SC SC SC SC SC SC SC

RIGHT BANK FACE (structure) SC SC SC SC SC SC SC SC SC

RIGHT BANK TOP (structure within 1m) SC SC SC SC SC SC SC SC SC

LAND USE WITHIN 5m OF BANK TOP (R) 16 16 16 16 16 16 16 16 16 16

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use B (2-3% area) or P (present))

NONE (tick)

Emergent broad-leaved herbs ☒ Phytolacca

Emergent narrow-leaved herbs ☒ Phytolacca

Emergent sedge ☒ Phytolacca

Emergent rush ☒ Phytolacca

Emergent grass ☒ Phytolacca

Free-floating ☒ Phytolacca

Amphibious ☒ Phytolacca

Submerged - broad-leaved ☒ Phytolacca

Submerged - narrow-leaved ☒ Phytolacca

Filamentous algae ☒ Phytolacca

ick all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or P)

5 - Use 1-4 ticks of growing up from, to vegetation and again if possible eg. 1-4 ticks of growing up from, to vegetation

SITE NO. 4483 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (2-3% banklength) or P (present))

Broadleaved woodland (BL) E Wetland (eg bog, marsh, fen) (WL) E

Carex/straw (CP) E Open water (OW) E

Moorsland/bush (MH) E Improved/semi-improved grass (IG) E

Scrub (SC) E Tilled land (TL) E

Pough pasture (PP) E Suburban/urban development (SU) E

I BANK PROFILES (Use E (2-3% banklength) or P (present))

Natural/unmodified E Artificial/modified E

Vertical/undercut E Resectioned E

Vertical + toe E Reinforced - whole bank E

Steep (> 45°) E Reinforced - top only E

Grass E Reinforced - toe only E

Composite E Artificial two-stage E

Use 1-4 ticks to show profile of 1-4 points from shore, after setting predetermined tree

Poached E

Embanked E

Set-back embankment E

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☐ Left ☐ Right NOTE

Isolated/scattered ☐ Shading of channel ☐ NOTE

Regularly spaced, single ☐ Overhanging boughs ☐ NOTE

Occasional clumps ☐ Exposed bankside roots ☐ NOTE

Semi-confusion ☐ Underwater tree roots ☐ NOTE

Continuous ☐ Fallen trees ☐ NOTE

Coarse woody debris ☐ NOTE

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ Marginal deadwater - silt ☐ NOTE

Cascade(s) - chute ☐ Exposed bedrock ☐ NOTE

Step/pool sequence ☐ Exposed boulders ☐ NOTE

Rapid(s) - whitewater ☐ Unvegetated mid-channel bars ☐ NOTE

Riffle(s) - white-water ☐ Vegetated mid-channel bars ☐ NOTE

Run(s) - disturbed, rippled ☐ Mature island(s) ☐ NOTE

Beil(s) - upwelling ☐ Unvegetated side bars ☐ NOTE

Slide(s) - smooth, no eddies ☐ Vegetated side bars ☐ NOTE

we you completed your species from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK 1.40 Banktop width (m) 1.40 RIGHT BANK 1.10

Banktop height (m) 1.20 Water width (m) 1.20 Banktop height (m) 1.10

Embanked height (m) 0.20 Water depth (m) 0.20 Embankment height (m) 0.20

If bankline lower than banktop break in slope, indicate: height (m) 0.6 width (m) 2.75

Bed material at site is: consolidated (impact) ☒ unconsolidated (flow) ☐ NOTE

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-4 ticks to indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0

Footbridges = 0 Roadbridges = 0 Part of site ☐ NOTE

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ NOTE

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

weed-cutting ☐ enhancement ☐ NOTE

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL ☐ FLOODPLAIN (50m corridor) ☐ Artificial open water ☐ Bog ☐ Other (state)

Waterfalls > 5m high ☐ Natural open water ☐ Care ☐ NOTE

Braided/side channels ☐ Water meadow ☐ Marsh ☐ NOTE

Debris dams ☐ Fen ☐ Flush ☐ NOTE

Loose debris ☐ NOTE

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐ NOTE

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-4 ticks to indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use phrases and key words as appropriate)

Descriptive sentence: Medium sized river with bankside vegetation. Clean

Flow type: Flowing through bank during pasting with new parts of old water

Major conservation features: meadow on right bank

Major impacts: Incidental observations (animals etc):

Incidental observations (animals etc): Incidental observations (animals etc):

IFE 1-4 ticks to show profile of 1-4 points from shore, after setting predetermined tree

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing labels supplied stamps

[illegible]

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

1. CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle.

LEFT BANK		Banktop width (m)		RIGHT BANK	
Banktop height (m)	0.75	Water width (m)	3.0	Banktop height (m)	0.9
Embedded height (m)		Water depth (m)	0.1	Embedded height (m)	

If transition lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: ☒ consolidated (fengops) ☐ unconsolidated (goose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (IFB only) _____

2. ARTIFICIAL FEATURES (Use 1 to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = _____ Weir = 1 Details = _____ Piers = _____
Footbridges = 1 Roadbridges = _____ Other = _____

Is water level controlled by weir/dam downstream? No ☐ Part of site ☒ Mouth/hole of site ☐

3. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State _____
weed-cutting ☐ enhancement ☐

4. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL		FLOODPLAIN (from center)		Box	Other (state) _____
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>				
Brick/drain channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>				
Debris dams <input checked="" type="checkbox"/>	Water meadow <input type="checkbox"/>				
Leafy debris <input type="checkbox"/>	Fra <input type="checkbox"/>				

5. CHOKED CHANNEL (Tick one box)

Is 35% or more of the channel choked with vegetation? NO ☐ YES ☐

6. NOTABLE NUISANCE PLANT SPECIES (Use 1 to E for 1 to 5, etc.)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State _____

7. BRIEF DESCRIPTION (Use printer and key words if appropriate)

Descriptive features: V small heavily shaded, many fallen trees in river
Flats of note: Reflections/glides with a few pools + obstructions
Major conservation features: behind debris dams, quite extensive island
Major impact: _____
Incidental observations (animals etc): _____

8. DISCUSS ALIERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other discuss briefly State _____

SEND COMPLETE FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Emphasis supplied! Part completed form for processing. Labels supplied to site

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 4481
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: S4 52 701 River: Hayes - ice on
Date 31.5.1995 Time: 11.50 Surveyor name: J. R. Jackson
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-4 then indicate total numbers)

Riffles 1 2 3 4 Unvegetated point bars
Pools 1 2 3 4 Vegetated point bars 1 2 3 4

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	FA	GA	HA	IA	JA	KA	LA	MA	NA
Mat. #	EA	FA	GA	HA	IA	JA	KA	LA	MA	NA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL	LO	LO	LO	LO	LO	LO	LO	LO	LO	LO
Channel substrate	LO	LO	LO	LO	LO	LO	LO	LO	LO	LO
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	EA	FA	GA	HA	IA	JA	KA	LA	MA	NA
Mat. #	EA	FA	GA	HA	IA	JA	KA	LA	MA	NA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, HL, SC, RP, VL, OW, JS, TL, SU

	SC	BL	RP	CP	HL	SC	BL	RP	CP	HL
LAND USE WITHIN 5m OF BANKTOP (L)	SC	BL <td>RP <td>CP <td>HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td></td></td></td>	RP <td>CP <td>HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td></td></td>	CP <td>HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td></td>	HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td>	SC	BL <td>RP <td>CP <td>HL</td> </td></td>	RP <td>CP <td>HL</td> </td>	CP <td>HL</td>	HL
LEFT BANK-TOP (structure within 1m) BUDIC	SC	BL <td>RP <td>CP <td>HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td></td></td></td>	RP <td>CP <td>HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td></td></td>	CP <td>HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td></td>	HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td>	SC	BL <td>RP <td>CP <td>HL</td> </td></td>	RP <td>CP <td>HL</td> </td>	CP <td>HL</td>	HL
LEFT BANK FACE (structure) BUDIC	SC	BL <td>RP <td>CP <td>HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td></td></td></td>	RP <td>CP <td>HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td></td></td>	CP <td>HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td></td>	HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td>	SC	BL <td>RP <td>CP <td>HL</td> </td></td>	RP <td>CP <td>HL</td> </td>	CP <td>HL</td>	HL
RIGHT BANK FACE (structure) BUDIC	SC	BL <td>RP <td>CP <td>HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td></td></td></td>	RP <td>CP <td>HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td></td></td>	CP <td>HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td></td>	HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td>	SC	BL <td>RP <td>CP <td>HL</td> </td></td>	RP <td>CP <td>HL</td> </td>	CP <td>HL</td>	HL
RIGHT BANK-TOP (structure within 1m) BUDIC	SC	BL <td>RP <td>CP <td>HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td></td></td></td>	RP <td>CP <td>HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td></td></td>	CP <td>HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td></td>	HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td>	SC	BL <td>RP <td>CP <td>HL</td> </td></td>	RP <td>CP <td>HL</td> </td>	CP <td>HL</td>	HL
LAND USE WITHIN 5m OF BANK TOP (R)	SC	BL <td>RP <td>CP <td>HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td></td></td></td>	RP <td>CP <td>HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td></td></td>	CP <td>HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td></td>	HL <td>SC</td> <td>BL <td>RP <td>CP <td>HL</td> </td></td></td>	SC	BL <td>RP <td>CP <td>HL</td> </td></td>	RP <td>CP <td>HL</td> </td>	CP <td>HL</td>	HL

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or F (present))

	E	F
NONE (tick as appropriate)		
Liverworts/mosses/twines	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent broad-leaved herbs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent reeds/sedges/rushes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Flowering-leaved (woody) (a/b/c/d/e/f)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Free floating	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Amphibious	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submerged broad-leaved	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submerged fine/linear-leaved	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Filamentous algae	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

SITE NO. 4481 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R	L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Coniferous plantation (CP)				
Moorland/heath (HL)				
Scrub (SC)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rough pasture (RP)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Improved/semi-improved grass (IG)			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tilled land (TL)				
Suburban/urban development (SU)				

I BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R	L	R
Natural/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Slope (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Artificial/modified				
Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Poached	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Embanked	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Set-back embankments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E	None	Present F
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - silt	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>
Glides(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banking width (m)	1-2	RIGHT BANK
Banktop height (m)	0.5		Banktop height (m)
Banktop width (m)	0.5		Banktop width (m)
Banktop depth (m)	0.1		Banktop depth (m)
Banktop height (m)	0.1		Banktop height (m)

If treeless lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (1/F only)

M ARTIFICIAL FEATURES (Use 1-4 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 1 Roadbridges = 1 Other = 1 Fords = 1

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	<input type="checkbox"/>
Braided/side channels	<input type="checkbox"/>
Debris dams	<input type="checkbox"/>
Leafy debris	<input type="checkbox"/>
Artificial open water	<input type="checkbox"/>
Natural open water	<input type="checkbox"/>
Water meadow	<input type="checkbox"/>
Fen	<input type="checkbox"/>
Bag	<input type="checkbox"/>
Carr	<input type="checkbox"/>
Marsh	<input type="checkbox"/>
Flint	<input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-4 or F)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: Small fast flowing over rocks & gravel. Many long riffles, occasional steep cascades with large boulders.

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

S DISEASED ALBERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

A BACKGROUND MAP-BASED INFORMATION		
Altitude(m)	Slope (m/km)	Flood category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source(km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS:

Reference network site number: 4482

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: Sx 415 766 River: Damodar

Date 21.5.1995 Time: 12.00 Surveyor name T.R. Chakraverty

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input checked="" type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl		

D NUMBER OF RIFLES, POOLS AND POINT BARS (Use [H] then indicate total number)

Rifles H H H H H H H H Unvegetated point bars 11 2

Pools H H H H (31) Vegetated point bars

Spot check 1 is in upstream end <input type="checkbox"/> downstream end <input type="checkbox"/> of site (Tick one box)											
E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)											
Mat. = Material	1 = one entry only	1	2	3	4	5	6	7	8	9	10
LEFT BANK		<div style="text-align: right;">(if relevant)</div> GA GA EA GA BD FA CA EA CA EA									
Bank type(s)	FE, BO, CO, GL, EA, FE, CL, CC, SF, WF, GA, BP, BP, BW	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s)	NO, R3, SF, FC, BM, EM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO, NO, E, C, AC, BP, WF, SF, SF	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL		<div style="text-align: right;">(if relevant)</div> GP GP RP CP CP CO CO CO CO CO CO									
Channel substrate	SV, BE, BO, CO, GP, SF, SF, CL, AB	GP	GP	RP	CP	CP	CO	CO	CO	CO	CO
Flow type	FF, CL, BW, WF, GP, RP, SF, SF, SF, NO	WV	RP	RP	RP	CF	SM	WV	WV	SM	CF
Channel modification(s)	SV, NO, CV, R3, R3, BA, PD	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO, NO, W, BP, BP, BP	RO	YF	RO	ES	RO	NO	RU	NC	CO	RO
RIGHT BANK		<div style="text-align: right;">(if relevant)</div> FA FA FA FA FA FA FA FA FA FA FA									
Mat. = Material	FE, BO, CO, GL, EA, FE, CL, CC, SF, WF, GA, BP, BP, BW	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Bank modification(s)	NO, R3, SF, FC, BM, EM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO, NO, E, C, AC, BP, WF, SF, SF	FB	YF	SB	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)											
Land use: choose one from BL, CP, HSI, SC, RP, WL, BW, BL, SL, BU											
LAND USE WITHIN 5m OF BANKTOP (L)		BL	BL	BL	BL	BL	BL	CP	SC	SC	SC
LEFT BANK-TOP (structure within 1m)	BAU/SC	S	C	S	S	S	S	S	S	C	S
LEFT BANK FACE (structure)	BAU/SC	S	C	S	S	S	S	S	S	C	S
RIGHT BANK FACE (structure)	BAU/SC	S	C	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	BAU/SC	S	C	S	S	S	C	U	U	S	S
LAND USE WITHIN 5m OF BANKTOP (R)		BL	BL	BL	CP	CP	CP	RP	RP	RP	RP
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 35% area) or ✓ (green)											
NONE (tick as appropriate)		✓									
Liverworts/mosses/lichen		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emergent broad-leaved herbs	C + m + b + Y + B + P + R + S + L + U + V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emergent reeds/sedges/foxtails	C + B + Y + B + P + R + S + L + U + V							✓	✓		
Floating-leaved (rooted)											
Free-floating											
Amphibious	O + m + b + Y + B + P + R + S + L + U + V								✓		✓
Submerged broad-leaved											
Submerged fine/linear-leaved											
Filamentous algae									✓	✓	✓

Use and 'tick-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or ✓)

P-45428.TL

LAND USE WITHIN 50m OF BANKTOP. Use E (\geq 33% banklength) or / if present		L	R		L	R
Broadleaved woodland (BL)		E	E	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)				Open water (OW)		
Moorland/heath (BH)				Improved/semi-improved grass (IG)		
Scrub (SC)				Tilled land (TL)		
Rough pasture (RP)		E	E	Suburban/urban development (SU)		

12. BANK PROFILES Use E (\geq 33% banklength) or / if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut		V	/	Reinforced	
Vertical + toe			Reinforced - whole bank		V
Slope (> 45°)	E	E	Reinforced - top only		/
Gentle	E	E	Reinforced - toe only		
Composita			Artificial two-stage		
Use this space to draw profiles if different from above, after taking predetermined tree			Peached		/
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)		
Left	Right	E \geq 33%	None	Present E
None <input type="checkbox"/>	<input type="checkbox"/>	Shading of channel <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered <input type="checkbox"/>	<input type="checkbox"/>	Overhanging banks <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single <input type="checkbox"/>	<input type="checkbox"/>	Exposed boulder roots <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps <input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous <input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - siltok <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Step/pool sequences <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequences <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Runs(s) - disturbed, rippled <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)			
LEFT BANK	Banktop width (m)	2.7	RIGHT BANK
Banktop height (m)	Water width (m)	2.2	Banktop height (m)
Banktop height (m)	Water depth (m)	0.1	Banktop height (m)
If trashline lower than banktop break in slope, indicate height (m) width (m)			
Bed material at site is: <input checked="" type="checkbox"/> consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement is: <input checked="" type="checkbox"/> riffle <input type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)			
M ARTIFICIAL FEATURES (Use <u>1</u> to indicate total number, tick "none" where appropriate)			
Noose <input checked="" type="checkbox"/>	Number of Culverts =	Weirs =	Outfalls =
	Footbridges =	Roadbridges =	Fords =
Is water level controlled by weir/dam downstream? <input type="checkbox"/> Part of site <input type="checkbox"/> Mouth/whole of site <input type="checkbox"/>			
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)			
dredging <input type="checkbox"/>	mowing <input type="checkbox"/>	Other? State	
weed-cutting <input type="checkbox"/>	enhancement <input type="checkbox"/>		
O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)			
CHANNEL		FLOODPLAIN (50m corridor)	
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state)
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input checked="" type="checkbox"/>	
Debris dams <input checked="" type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Few <input type="checkbox"/>	Flush <input type="checkbox"/>	
P CHOKED CHANNEL (Tick one box)			
Is 35% or more of the channel choked with vegetation? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			
Q NOTABLE NUISANCE PLANT SPECIES (Use 1 to 5)			
Giant Hogweed <input type="checkbox"/>	Himalayan Balsam <input type="checkbox"/>	Japanese Knotweed <input type="checkbox"/>	Other? State
R BRIEF DESCRIPTION (Use prompts and key words as appropriate)			
Descriptive sentence: <u>A network looking flowing through 8 dams older</u> Place of note: <u>woodland for much of length, some native</u> Major conservation features: <u>islands created by channel splitting, a flowing</u> <u>network of alders at lower end of reach, ca 2</u> <u>"widespread" created by debris dams & tree trunks</u> Major impacts: Incidental observations (animals etc):			
S DISEASED ALDERS (Tick one box)			
None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other diseased tree? State			

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 2BJ

9-0562-99

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION:

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Platform category
Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS:

Reference network site number: 44-85
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: SK 778736 River: LEMON
Date: 21.6.1995 Time: 11.35 Surveyor name: J. H. PH 16 AK 76m
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box) with site ID on back
Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/extra diagrams

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11, then indicate total number)

Riffles 11 Unvegetated point bars
Pools 2 Vegetated point bars
11E-11J - See over page 2

National Rivers Authority

J. H. PH
21.6.1995

PH

PH

PH

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles (1-11) Pools (1-11) Unvegetated point bars (1-11) Vegetated point bars (1-11)

E. PHYSICAL ATTRIBUTES (to be assessed every channel within a 10m wide zone)

Spot check 1 is at upstream end of site (tick one box) 45 76 77 78 79 80 81 82 83 84 85

LEFT BANK (looking downstream)

Bank material (fine) 11E, 11F, 11G, 11H, 11I, 11J, 11K, 11L, 11M, 11N, 11O, 11P, 11Q, 11R, 11S, 11T, 11U, 11V, 11W, 11X, 11Y, 11Z
Bank modification(s) 11E, 11F, 11G, 11H, 11I, 11J, 11K, 11L, 11M, 11N, 11O, 11P, 11Q, 11R, 11S, 11T, 11U, 11V, 11W, 11X, 11Y, 11Z
Bank feature(s) 11E, 11F, 11G, 11H, 11I, 11J, 11K, 11L, 11M, 11N, 11O, 11P, 11Q, 11R, 11S, 11T, 11U, 11V, 11W, 11X, 11Y, 11Z
Channel substrate (fine) 11E, 11F, 11G, 11H, 11I, 11J, 11K, 11L, 11M, 11N, 11O, 11P, 11Q, 11R, 11S, 11T, 11U, 11V, 11W, 11X, 11Y, 11Z
Flow type (fine) 11E, 11F, 11G, 11H, 11I, 11J, 11K, 11L, 11M, 11N, 11O, 11P, 11Q, 11R, 11S, 11T, 11U, 11V, 11W, 11X, 11Y, 11Z
Channel modification(s) 11E, 11F, 11G, 11H, 11I, 11J, 11K, 11L, 11M, 11N, 11O, 11P, 11Q, 11R, 11S, 11T, 11U, 11V, 11W, 11X, 11Y, 11Z
Channel feature(s) 11E, 11F, 11G, 11H, 11I, 11J, 11K, 11L, 11M, 11N, 11O, 11P, 11Q, 11R, 11S, 11T, 11U, 11V, 11W, 11X, 11Y, 11Z

RIGHT BANK (looking downstream)

Bank material (fine) 11E, 11F, 11G, 11H, 11I, 11J, 11K, 11L, 11M, 11N, 11O, 11P, 11Q, 11R, 11S, 11T, 11U, 11V, 11W, 11X, 11Y, 11Z
Bank modification(s) 11E, 11F, 11G, 11H, 11I, 11J, 11K, 11L, 11M, 11N, 11O, 11P, 11Q, 11R, 11S, 11T, 11U, 11V, 11W, 11X, 11Y, 11Z
Bank feature(s) 11E, 11F, 11G, 11H, 11I, 11J, 11K, 11L, 11M, 11N, 11O, 11P, 11Q, 11R, 11S, 11T, 11U, 11V, 11W, 11X, 11Y, 11Z

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use chosen one from 11E, 11F, 11G, 11H, 11I, 11J, 11K, 11L, 11M, 11N, 11O, 11P, 11Q, 11R, 11S, 11T, 11U, 11V, 11W, 11X, 11Y, 11Z

LAND USE WITHIN 5m OF BANKTOP (1-11)

LEFT BANK TOP (structure within 2m) 11E, 11F, 11G, 11H, 11I, 11J, 11K, 11L, 11M, 11N, 11O, 11P, 11Q, 11R, 11S, 11T, 11U, 11V, 11W, 11X, 11Y, 11Z
LEFT BANK FACE (structure) 11E, 11F, 11G, 11H, 11I, 11J, 11K, 11L, 11M, 11N, 11O, 11P, 11Q, 11R, 11S, 11T, 11U, 11V, 11W, 11X, 11Y, 11Z
RIGHT BANK FACE (structure) 11E, 11F, 11G, 11H, 11I, 11J, 11K, 11L, 11M, 11N, 11O, 11P, 11Q, 11R, 11S, 11T, 11U, 11V, 11W, 11X, 11Y, 11Z
RIGHT BANK TOP (structure within 2m) 11E, 11F, 11G, 11H, 11I, 11J, 11K, 11L, 11M, 11N, 11O, 11P, 11Q, 11R, 11S, 11T, 11U, 11V, 11W, 11X, 11Y, 11Z
LAND USE WITHIN 5m OF BANK TOP (1-11) 11E, 11F, 11G, 11H, 11I, 11J, 11K, 11L, 11M, 11N, 11O, 11P, 11Q, 11R, 11S, 11T, 11U, 11V, 11W, 11X, 11Y, 11Z

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry, use 11E-11Z area or 11A-11Z area)

NONE (tick) **Plant species (tick one)**

Emergent broad-leaved ☒
Emergent narrow-leaved ☒
Floating-leaved ☒
Free-floating ☒
Amphibious ☒
Submerged - broad-leaved ☒
Submerged fine-leaved ☒
Filament, algae ☒

Use 'tick-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or 1)

11E-11Z - See over page 2

11E-11Z - See over page 2

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use 11E-11Z area or 11A-11Z area)

LEFT BANK **RIGHT BANK**

Broadleaf/mixed woodland (BL) Wetland (eg bog, marsh, fen) (WL)
Coniferous plantation (CP) Open water (OW)
Moorland/heath (MH) Improved/heath-improved grass (IG)
Scrub (SC) Tilled land (TL)
Rough pasture (RP) Suburban/urban development (SU)

III. BANK PROFILES (Use 11E-11Z area or 11A-11Z area)

Natural/undisturbed **Artificial/disturbed**

Vertical + toe ☒ Reinforced - whole bank ☒
Steep (> 45°) ☒ Reinforced - top only ☒
Gentle ☒ Reinforced - toe only ☒
Composite ☒ Artificial two-stage ☒
Use site space to draw profile if different from above, after taking predominant bank

IV. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank) **ASSOCIATED FEATURES (Tick one box per feature)**

None ☐ Left ☐ Right ☐ None ☐ Present ☒
Isolated/scattered ☐ Overhanging boughs ☐
Regularly spaced, single ☐ Exposed bankside roots ☐
Occasional clumps ☐ Underwater tree roots ☐
Semi-continuous ☐ Fallen trees ☐
Continuous ☒ Coarse woody debris ☒

V. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall ☐ Marginal deadwater - slack ☒
Canada(s) - dense ☐ Exposed bedrock ☐
Step/pool sequence ☐ Exposed boulders ☐
Rapid(s) - whitewater ☐ Unvegetated mid-channel bars ☐
Riffle/pool sequence ☐ Vegetated mid-channel bars ☐
Run(s) - disturbed, rippled ☐ Mature island(s) ☐
Bank(s) - upwelling ☐ Unvegetated side bars ☐
Gravel(s) - smooth, no eddies ☐ Vegetated side bars ☐

Have you completed your expenses from this week? (Send to PH for signature!)

PH

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK **RIGHT BANK**

Banktop width (m) 7.0 Banktop height (m) 2.5
Banktop height (m) 2.5 Water width (m) 1.5
Banktop width (m) 7.0 Water depth (m) 1.5
Banktop height (m) 2.5 Embankment height (m) 1.5

If threshold lower than banktop break in slope, indicate height (m) width (m)
Bed material at site is: consolidated (temp) ☐ unconsolidated (fine) ☒ unknown ☐
Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (11E-11Z)

M. ARTIFICIAL FEATURES (Use 11E-11Z area or 11A-11Z area)

None ☐ Number of Culverts = Wells = Outfalls = 2 Ponds =
Fences =
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: NONE
weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) NONE
Braided/wide channels ☐ Natural open water ☐ Curb ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Pea ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 35% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (One or more)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: NONE

R. BRIEF DESCRIPTION (Use prompts and 11E-11Z area or 11A-11Z area)

Describe section: 11E-11Z area or 11A-11Z area
Major conservation features: As with most of these Devonian rivers - varied habitats
Major impacts: Road - ? child can play in
Incidental observations (animals etc): Turkey crows left bank, Hay growing at bank d/s.

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees ☐ State: NONE

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing. Labels supplied.

PH

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4486

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: S+R72 703 River: Aller Beck

Date 1.16.1995 Time: 14.30 Surveyor name: J. Blackburn

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 11 then indicate total number)

Riffles 44 11 Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

F4-512 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material 1 = one entry only

LEFT BANK

Mat. 1: BA, SO, CO, GS, RA, FE, CL, CC, SP, WF, GA, JR, RR, BW

Bank modification(s) NO, RA, FC, BA, JM

Bank feature(s) NO, NO, FC, SC, FR, SP, SR, ST

CHANNEL

Channel substrate 1: NO, BA, SO, CO, GS, RA, FE, CL, CC, SP, WF, GA, JR, RR, BW

Flow type 1: FE, CL, BA, SO, CO, GS, RA, FE, CL, CC, SP, WF, GA, JR, RR, BW

Channel modification(s) NO, NO, FC, SC, FR, SP, SR, ST

Channel feature(s) NO, NO, FC, SC, FR, SP, SR, ST

RIGHT BANK

Mat. 1: BA, SO, CO, GS, RA, FE, CL, CC, SP, WF, GA, JR, RR, BW

Bank modification(s) NO, RA, FC, BA, JM

Bank feature(s) NO, NO, FC, SC, FR, SP, SR, ST

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, HL, SC, RP, WL, OW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUSIC

LEFT BANK FACE (structure) BAUSIC

RIGHT BANK FACE (structure) BAUSIC

RIGHT BANK-TOP (structure within 1m) BAUSIC

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or F (green))

NONE (tick as appropriate)

Liverworts/mosses/lichens

Emergent broad-leaved herbs

Emergent reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerged fine/linear-leaved

Filamentous algae

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

F4-512 TL

SITE NO. 4486 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

Broadleaved woodland (BL)

Coniferous plantation (CP)

Moorland/heath (MH)

Scrub (SC)

Rough pasture (RP)

Wetland (eg bog, marsh, fen) (WL)

Open water (OW)

Improved/semi-improved grass (IG)

Tilled land (TL)

Suburban/urban development (SU)

III. BANK PROFILES (Use E (≥ 33% banklength) or F if present)

Natural/unmodified

Vertical/undercut

Vertical + toe

Steep (>45°)

Gentle

Composite

Artificial/unmodified

Resectioned

Reinforced - whole bank

Reinforced - top only

Reinforced - toe only

Artificial two-stage

Peached

Embanked

Set-back embankments

IV. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per bank)

TREES (Tick one box per bank)

None

Isolated/scattered

Regularly spaced, single

Occasional clumps

Semi-continuous

Continuous

ASSOCIATED FEATURES (Tick one box per feature)

E ≥ 33%

Shading of channel

Overhanging boughs

Exposed bedrock

Exposed boulders

Unvegetated mid-channel bars

Vegetated mid-channel bars

Mature island(s)

Unvegetated side bars

Vegetated side bars

V. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall

Cascade(s) - chute

Step/pool sequence

Rapid(s) - white-water

Riffle-pool sequence

Run(s) - disturbed, rippled

Boil(s) - spilling

Glide(s) - smooth, no eddies

Marginal deadwater - slack

Exposed bedrock

Exposed boulders

Unvegetated mid-channel bars

Vegetated mid-channel bars

Mature island(s)

Unvegetated side bars

Vegetated side bars

F4-512 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop height (m) 0.75

Banktop width (m) 2.80

Banktop height (m) 0.35

Banktop width (m) 0.80

Banktop height (m) 0.35

Banktop width (m) 0.80

If threshold lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (1FE only)

M. ARTIFICIAL FEATURES (Use 11 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Ponds =

Footbridges = Roadbridges = Other =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Other ☐ (tick one box) Slope (1FE only)

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other ? State

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☒

Leafy debris ☐ Fen ☐ Flurb ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Two adjacent streams, one of which is a tributary (bank top) receiving through rough damp pasture with a rocky bed. It is a small, mostly unimproved inlet with a small, mostly unimproved inlet on left + a small, mostly unimproved inlet on right.

Major conservation features: Small moving river with a small, mostly unimproved inlet on left + a small, mostly unimproved inlet on right.

Major impacts: Small moving river with a small, mostly unimproved inlet on left + a small, mostly unimproved inlet on right.

Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

F4-512 TL

P-09428.TLP-09428.TLP-49428.TLP.49428 Tit-

Page 1 of 4

NRA RIVER HABITAT SURVEY 1995

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 4493

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: S4305 643 River: R. Todd

Date: 31/5/1995 Time: 1330 Surveyor name: J. P. Little








Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

	<input checked="" type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl		

D NUMBER OF RIFLES, POOLS AND POINT BARS (Use [11] then indicate total number)

Rifles <u>44</u> <u>111</u> <u>111</u> <u>111</u>	Unvegetated point bars <u>44</u> <u>5</u>
Pools <u>23</u>	Vegetated point bars <u>1</u>

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS											Page 2 of 4
Spot check 1 is at: upstream end <input type="checkbox"/> downstream end <input type="checkbox"/> of site (Tick one box)											
E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)											
Mat. = Material	1 2 3 4 5 6 7 8 9 10										
LEFT BANK ?	Veg. Code										
Mat. #	8F, 8D, C0, G1, E, F, C, C, C, 3F, 3F, G, 3F, 3F, 3F	EA	EA	FA	GA	EA	BR	EA	RR	FA	EA
Bank modification(s)	N0, R2, R2, R2, R2, R2	N0	N0	N0	N0	N0	R1	N0	R1	N0	N0
Bank feature(s)	N0, N0, C, C, C, 3F, 3F, 3F, 3F	SB	VP	PB	SC	SC	N0	PB	11h	SC	N0
CHANNEL											
Channel substrate	N0, 3F, 8D, C0, G1, E, F, C, C, C, 3F, 3F, G, 3F, 3F, 3F	C0	C0	GP	GP	GP	GP	GP	C0	GP	GP
Flow type	FF, C1, 3F, 3F, 3F, 3F, 3F, 3F, 3F, 3F, 3F, 3F, 3F	11h	SM	11h	RP	11h	SM	RP	SM	RP	11h
Channel modification(s)	N0, N0, C, C, C, 3F, 3F, 3F, 3F, 3F, 3F, 3F	N0	11h	N0	N0	11h	N0	N0	N0	N0	N0
Channel feature(s)	N0, 8D, 11h, 11h, 11h, 11h	11h	P.S	N0	N0	N0	N0	N0	11h	11h	N0
RIGHT BANK											
Mat. #	8F, 8D, C0, G1, E, F, C, C, C, 3F, 3F, G, 3F, 3F, 3F	EA	EA	CL	FA	EA	BR	CL	GA	EA	GA
Bank modification(s)	N0, R2, R2, R2, R2, R2	N0	N0	N0	11h	N0	R1	N0	N0	N0	11h
Bank feature(s)	N0, N0, C, C, C, 3F, 3F, 3F, 3F	SC	11h	C	SC	SC	SC	C	SC	SC	11h
F. BANK-TOPO LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)											
Land use: choose one from BL, CP, MR, CL, EP, WL, OW, 10, 11, 12	BL, CP, MR, CL, EP, WL, OW, 10, 11, 12										
LAND USE WITHIN 5m OF BANKTOP (L)	14	SC	RP	SC	RP	SC	SC	SC	SC	SC	SC
LEFT BANK-TOP (structure within 1m) BWS/C	14	S	S	S	S	S	S	C	S	C	C
LEFT BANK FACE (structure) BWS/C	S	S	S	S	C	U	S	S	S	S	S
RIGHT BANK FACE (structure) BWS/C	S	B	C	S	C	S	B	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BWS/C	14	S	S	S	S	S	S	C	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	14	WL	14	14	14	SC	SC	SC	SC	SC	SC
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with an entry, use E (2-3% area) or F (50%+ area))											
NONE (tick as appropriate)											
Litter/debris/mosses/lichens											
Emergent broad-leaved herbs	✓	✓									
Emergent reeds/rushes/cyperuses											
Flowering-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine/linear-leaved											
Filamentous algae	✓	✓	✓	✓	✓		✓		✓	✓	✓

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

11 LAND USE WITHIN 50m OF BANKTOP Use E (≥ 35% banklength) or ✓ if present						
	L	R		L	R	
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)			
Coniferous plantation (CP)			Open water (OW)			
Moorland/heath (MH)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Scrub (SC)	<input checked="" type="checkbox"/>		Tilled land (TL)			
Rough pasture (RP)	<input checked="" type="checkbox"/>		Suburban/urban development (SU) <i>Scrub</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
12 BANK PROFILES Use E (≥ 35% banklength) or ✓ if present						
Natural/unmodified	L	R	Artificial/modified	L	R	
Vertical/sloped		<input checked="" type="checkbox"/>	Resectioned			
Vertical + toe			Reinforced - whole bank		<input checked="" type="checkbox"/>	
Steep (> 45°)		<input checked="" type="checkbox"/>	Reinforced - top only			
Gentle		<input checked="" type="checkbox"/>	Reinforced - toe only			
Composite			Artificial two-stage			
Use this space to draw profile if different from above, after taking predetermined box			Feshed			
			Embanked			
			Set-back embankments			
13 EXTENT OF TREES AND ASSOCIATED FEATURES						
TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)			
	Left	Right	E ≥ 35%	None	Present E	
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)						
	None	Present E		None	Present E	
Waterfall(s) - freefall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Step/pool sequences	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequences	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CHANNEL DIMENSIONS *to be measured at one site on a straight uniform section, preferably across a riffle*

LEFT BANK		Banktop width (m)	3.7	RIGHT BANK	
Banktop height (m)	0.7	Water width (m)	3.7	Banktop height (m)	0.7
Embanked height (m)		Water depth (m)	0.38	Embanked height (m)	

If bankline lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of materials in: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) _____

M. ARTIFICIAL FEATURES (Use 1 to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____
 Footbridges = 1 _____ Roadbridges = 1 _____ Other = _____

Is water level controlled by weirs/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ mowing ☐ Other? State Tree felling (culverts)
 weed-cutting ☐ enhancement ☐ on left hand bank (this is)

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input checked="" type="checkbox"/> Bog <input type="checkbox"/> Other (state) _____
Braided/ride channels <input type="checkbox"/>	Natural open water <input type="checkbox"/> Carr <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/> Marsh <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/> Flush <input type="checkbox"/>

P. CHOKED CHANNEL (Tick one box)

Is 25% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1 or 2)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: small actual meandering riffles → run/glide
+ marginal slack water on meander banks
(not quite full width pools)

Plants of note: _____

Major conservation features: _____

Major impacts: _____

Incidental observations (animals etc): _____

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other disease trees? State _____

SEND COMPLETED FORM TO IUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARFHAM, NR10 6BB

NRA RIVER HABITAT SURVEY 1995: Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 4497

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: S 731 650 River: Dean Ewa

Date 30/5/1995 Time: 14.15 Surveyor name: J. B. G. G. G.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/10 then indicate total number)

Riffles 1/10 Unvegetated point bars 1/10

Pools 1/10 Vegetated point bars 1/10

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. =	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate =	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Flow type =	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. =	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BL, CP, MH, ST, SP, WL, OW, NG, TL, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m) BL/CP/	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BL/CP/	C	C	C	C	C	C	C	C	C	C
RIGHT BANK FACE (structure) BL/CP/	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BL/CP/	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
G CHANNEL VEGETATION TYPES (to be assessed over a 10m wide transect)										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

SITE NO. 4497 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or V if present)

	L	R		L	R
Broadleaf/deciduous woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	E
Scrub (SC)			Tilled land (TL)	E	
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or V if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predominant box			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present E
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfalls - free-fall			Marginal deadwater - silt		
Cascades - chair			Exposed bedrock		
Step-pool sequence			Exposed boulders		
Rapid(s) - white-water			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Roo(s) - disturbed, rippled			Mature island(s)		
Boil(s) - upwellings			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Banktop width (m)	Water width (m)	Banktop height (m)
LEFT BANK	0.5	4.0	1.0
RIGHT BANK			
Banktop height (m)			
Embanked height (m)			
Water depth (m)			
Embanked height (m)			
If treeless lower than banktop break in slope, indicate: height (m) width (m)			
Bed material at site: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)			
M ARTIFICIAL FEATURES (Use 1/10 to indicate total number, tick "none" where appropriate)			
None <input type="checkbox"/> Number of Culverts = Weirs = Outfalls = Fords =			
Footbridges = Roadbridges = Other =			
Is water level controlled by weir/dam & upstream? No <input type="checkbox"/> Part of site <input type="checkbox"/> Most/whole of site <input type="checkbox"/>			
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)			
dragging <input type="checkbox"/> moving <input type="checkbox"/> Other? State			
weed-cutting <input type="checkbox"/> enhancement <input type="checkbox"/>			
O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))			
CHANNEL			
Waterfalls > 5m high <input type="checkbox"/> Artificial open water <input type="checkbox"/> Beg <input type="checkbox"/> Other (state)			
Braided/side channels <input type="checkbox"/> Natural open water <input type="checkbox"/> Carr <input type="checkbox"/>			
Debris dams <input type="checkbox"/> Water meadow <input type="checkbox"/> Marsh <input type="checkbox"/>			
Leafy debris <input type="checkbox"/> Fen <input type="checkbox"/> Flush <input type="checkbox"/>			
P CHOKED CHANNEL (Tick one box)			
Is 33% or more of the chd and choked with vegetation? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			
Q NOTABLE NUISANCE PLANT SPECIES (Use 1/10)			
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other? State			
R BRIEF DESCRIPTION (Use prompts and key words as appropriate)			
Descriptive sentence: steep gradient, cobble with cascades / riffles			
Plants of note: a few deep pools on banks			
Major conservation features:			
Major impacts:			
Incidental observations (animals etc): Grey wagtails			
S DISEASED ALDERS (Tick one box)			
None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other diseased trees? State			

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 4498
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: 54878677 River: Alke Brook
Date 1.1.95 Time: 13.00 Surveyor name: J.H. Rucklins
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D NUMBER OF RIFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Rifles: 11 Unvegetated point bars
Pools: Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material ¹ = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate ¹	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type ¹	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, SP, WL, OW, NO, IL, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK FACE (structure)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
RIGHT BANK FACE (structure)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
RIGHT BANK-TOP (structure within 1m)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or F (present))

	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

SITE NO. 4498 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/handcut			Retained		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predominant box			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
Left	Right	E ≥ 33%	Present
None		Shading of channel	
Isolated/scattered		Overhanging boughs	
Regularly spaced, single		Exposed backside roots	
Occasional clumps		Underwater tree roots	
Semi-continuous		Fallen trees	
Continuous		Coarse woody debris	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - free-fall			Marginal deadwater - stock		
Cascade(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Run(s) - disturbed, rippled			Mature island(s)		
Boll(s) - swellings			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	0.5	Banktop height (m)
Banktop width (m)	2.8	Banktop width (m)
Banktop height (m)	0.5	Banktop height (m)
Banktop width (m)	0.5	Banktop width (m)

If bankline lower than banktop break in slope, indicate height (m) width(m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-11 then indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Ponds =
Footbridges = 2 Roadbridges = 3 Other =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State:
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/rife channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Other (state):

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-11 then indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Upper 1/3 of stream straight running beneath railway embankment with playing field on right bank. Lower 2/3 with more natural banks for a short distance but then heavily reinforced under bridge + alongside road. Mostly runs + glides only - few true riffles.

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Page 1 of 4			
A BACKGROUND MAP-BASED INFORMATION			
Altitude(m)	Slope (m/km)	Flow category (1-10)	
Solid geology code	Drift geology code	Planform category	
Distance from source(km)	Significant tributary ? ✓	Navigation ?	
B FIELD SURVEY DETAILS			
Reference network site number: 4501			
Mid-section grid reference of network site if different from designated location:			
COMPLETE THE FOLLOWING FOR ALL SITES			
Grid Reference: SWAES 524	River: Humber Beck		
Date 25.5.1995	Time: 11.12....	Surveyor name J.B. L. ...	
Adverse conditions affecting survey? No <input type="checkbox"/> Yes <input type="checkbox"/> If yes, state			
Bed of river visible? No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input checked="" type="checkbox"/> (tick one box)			
Duplicate photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (tick one box) + add details			
Site surveyed from: left bank <input type="checkbox"/> right bank <input type="checkbox"/> channel <input checked="" type="checkbox"/> (tick as appropriate)			
C PREDOMINANT VALLEY FORM (tick one box only)			
	<input checked="" type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl		
D NUMBER OF RIDGLES, POOLS AND POINT BARS (Use [] then indicate total number)			
Ridgles	[ ] [ ] [ ] [ ] | 16	Unvegetated point bars	
Pools	[ ] [ ] | 6	Vegetated point bars	

National Rivers Authority

Page 2 of 2

Spot check 1 is at: upstream end ☐ downstream end ☐ of site (Tick one box)

E-2 PHYSICAL ATTRIBUTES (to be assessed across channel within a 3m wide zone)

Mat. = Material ¹ = one entry only	1	2	3	4	5	6	7	8	9	10
LEFT BANK	BR	FA	FA	FA	FA	FA	FA	FA	FA	FA
Mat. ² BE,BO,CG,GS,JA,JE,C,CC,SP,WT,CA,PR,AR,BW	R	U	N	N	N	N	R	N	N	N
Bank modification(s)	NO	JA	PC	BM	LM	LM	NO	NO	SP	SC
Bank feature(s)	NA	NO	EC	SC	PR	PR	VS			
CHANNEL	FA									
Channel substrate ³	NY	BE	BO	CG	GP	JA	JE	CL	AR	
Flow type ⁴	FF	CH	BW	LM	CF	PR	BM	LM	SP	NO
Channel modification(s)	NR	NO	C	JA	AL	JA	O			
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	BR	FA	FA	FA	FA	FA	FA	FA	FA	FA
Mat. ² BE,BO,CG,GS,JA,JE,C,CC,SP,WT,CA,PR,AR,BW	R	U	N	N	N	N	R	N	N	N
Bank modification(s)	NO	JA	PC	BM	LM	LM	NO	NO	SP	SC
Bank feature(s)	NA	NO	EC	SC	PR	PR	VS			

F-3 BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, GP, AR, SC, RP, NL, CG, NS, TL, SV

	BL	GP	AR	SC	RP	NL	CG	NS	TL	SV
LAND USE WITHIN 5m OF BANKTOP (L)	C	S	S	S	S	C	C	S	C	C
LEFT BANK-TOP (structure within 3m) BA/JS/C	S	S	C	S	S	S	U	U	S	B
RIGHT BANK FACE (structure) BA/JS/C	C	C	C	C	S	S	S	U	S	
RIGHT BANK-TOP (structure within 3m) BA/JS/C	C	C	C	L	C	G	C	S	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	SC	TL	SV	BL	BL	LG	LG

G-4 CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (to 33% area) or V (percent))

	✓		✓							
NONE (tick as appropriate)	✓			✓						
Liverworts/mosses/lichens	✓	✓		✓	✓	✓	✓	✓	✓	✓
Emergent broad-leaved herbs					✓	✓				
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

SITE NO. <u>W60</u>	NRA RIVER HABITAT SURVEY 1995: 600m SWEEP-UP	Page 3 of 4
If <u>LAND USE</u> WITHIN 50m of BANKTOP Use E (≥ 33% banklength) or U if present		
	L R	L R
Broadleaf/mixed woodland (BL)	<u>E</u> <input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)
Coniferous plantation (CP)		Open water (OW)
Moorland/heath (H/H)		Improved/semi-improved grass (IG)
Scrub (SC)		Tilled land (TL)
Rough pasture (RP)	<u>E</u>	Suburban/urban development (SU)
1) <u>BANK PROFILES</u> Use E (≥ 33% banklength) or U if present		
Natural/unmodified	L R	Artificial/modified
Vertical/undercut	<u>U</u> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	Reasloped
Vertical + toe	<u>U</u>	Reinforced - whole bank
Sloep (>45°)	<u>E</u> <u>E</u>	Reinforced - top only
Gentle	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	Reinforced - toe only
Composite		Artificial two-stage
Use fish eyes to draw profile if different from above, after taking predetermined bias		Poached
		Embanked
		Set-back embankments
2) <u>EXTENT OF TREES AND ASSOCIATED FEATURES</u>		
TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)
Left Right	E ≥ 33% None Present E	
None <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>	Shading of channel <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
Isolated/scattered <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>	Overhanging boughs <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
Regularly spaced, single <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Exposed bankside roots <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Occasional clumps <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Underwater tree roots <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Semi-continuous <input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	Fallen trees <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
Continuous <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>	Coarse woody debris <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
3) <u>EXTENT OF CHANNEL FEATURES</u> (Tick one box per feature)		
None Present E	None Present E	
Waterfall(s) - free-fall <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Marginal deadwater - slack <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
Cascade(s) - chute <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Exposed bedrock <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Step/pool sequence <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Exposed boulders <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
Rapid(s) - whitewater <input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	Unvegetated mid-channel bars <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
Riffle-pool sequence <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Vegetated mid-channel bars <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Run(s) - disturbed, rippled <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Mature island(s) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Bolt(s) - upwellings <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Unvegetated side bars <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>	Vegetated side bars <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

L CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle.

LEFT BANK			RIGHT BANK		
Banktop width (m)			8.44		
Banktop height (m)	3.5	Water width (m)	1.7	Banktop height (m)	2.7
Embanked height (m)		Water depth (m)	0.05	Embanked height (m)	

If threshold lower than banktop break in slope, indicate: height (m) _____ width(m) _____

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) _____

M ARTIFICIAL FEATURES (Use 1-10. Indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 11 2 Weirs = _____ Outfalls = 1 3 Fords = _____
Footbridges = 11 2 Roadbridges = _____ Other = _____

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box(es))

dredging ☐ moving ☐ Other ? State _____
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)		
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state)
Brained/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1 or 2)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State Rhododendron

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: v small stream in high banks. Top section above
Plants of note: bedrock v low flow (estimation by lining clay walls) v top
Major conservation features: dry before being culverted under bridge. Quite
steep + boulder strewn + bit of bedrock in places.
Major impacts: - Chinese along verges + reduced flows
Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State _____

SEND COMPLETED FORM TO IUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 4503

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: S 156 598 River: Liffey

Date: 15/11/1995 Time: 13.25 Surveyor name: J. J. J. J. J.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles ☒ 1 ☒ 2 ☒ 3 ☒ 4 ☒ 5 ☒ 6 ☒ 7 ☒ 8 ☒ 9 ☒ 10 Unvegetated point bars 1/1 4

Pools ☒ 1 ☒ 2 ☒ 3 ☒ 4 ☒ 5 ☒ 6 ☒ 7 ☒ 8 ☒ 9 ☒ 10 Vegetated point bars 1/1 3

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material ¹ = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ E, A, O, C, G, L, J, F, C, C, C, P, W, P, G, J, P, A, R, A, W	E	A	E	A	E	A	E	A	E	A
Bank modification(s) NO, A, J, R, P, C, A, R, J, M	NO	A	J	R	P	C	A	R	J	M
Bank feature(s) NE, NO, E, C, C, P, P, P, J, R, J, V	E	B	V	S	P	B	S	B	V	S
CHANNEL										
Channel substrate ¹ NY, E, J, O, C, G, P, J, A, J, C, L, A, R	E	P	C	G	P	J	A	J	C	L
Flow type ¹ IT, O, L, W, W, C, P, P, J, A, J, C, L, A, R	E	P	C	G	P	J	A	J	C	L
Channel modification(s) NE, NO, C, V, A, J, R, J, A, J, O	E	P	C	G	P	J	A	J	C	L
Channel feature(s) NO, A, J, R, P, C, A, R, J, M	E	P	C	G	P	J	A	J	C	L
RIGHT BANK										
Mat. ¹ E, A, O, C, G, L, J, F, C, C, C, P, W, P, G, J, P, A, R, A, W	E	A	E	A	E	A	E	A	E	A
Bank modification(s) NO, A, J, R, P, C, A, R, J, M	E	A	E	A	E	A	E	A	E	A
Bank feature(s) NE, NO, E, C, C, P, P, P, J, R, J, V	E	A	E	A	E	A	E	A	E	A
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BL, CP, RH, SC, RP, VE, OW, HO, TL, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m) BA/SC	1	2	3	4	5	6	7	8	9	10
LEFT BANK FACE (structure) BA/SC	1	2	3	4	5	6	7	8	9	10
RIGHT BANK FACE (structure) BA/SC	1	2	3	4	5	6	7	8	9	10
RIGHT BANK-TOP (structure within 1m) BA/SC	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANK TOP (R)	1	2	3	4	5	6	7	8	9	10
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or J (percent))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free floating										
Amphibious (rhizomatous)										
Submerged broad-leaved										
Submerged fine-linear-leaved										
Filamentous algae										
Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)										

SITE NO. 4503 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or J (percent))

	L	R		L	R
Broadleaf/woodland (BL)			Wetland (eg bog, marsh, fen) (WJ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (HJ)			Improved/semi-improved grass (IG)	E	E
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		
I. BANK PROFILES (Use E (≥ 33% banklength) or J (percent))					
Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/vertical	1	2	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after using predetermined box			Poached		
			Embanked		
			Set-back embankments		
J. EXTENT OF TREES AND ASSOCIATED FEATURES					
TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
None	Left	Right	E ≥ 33%	None	Present E
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
			Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>
K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)					
Waterfall(s) - free-fall	None	Present E	None	Present E	
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>
			Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight run section, preferably across a riffle)

	LEFT BANK	RIGHT BANK
Banktop width (m)	1.30	
Banktop height (m)	0.45	0.39
Embankment height (m)		0.05
Water width (m)		
Water depth (m)		
If threshold lower than banktop break in slope, indicate: height (m) width(m)		
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>		
Location of measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/> (pick one box) Slope (IFE only)		
M. ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick 'none' where appropriate)		
None <input checked="" type="checkbox"/> Number of Culverts = Weirs = Outfalls = Fords =		
Footbridges = Roadbridges = Other =		
Is water level controlled by weir/dam downstream? No <input type="checkbox"/> Part of site <input type="checkbox"/> Most/whole of site <input type="checkbox"/>		
N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)		
dredging <input type="checkbox"/> mowing <input type="checkbox"/> Otter? State		
weed-cutting <input type="checkbox"/> enhancement <input type="checkbox"/>		
O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))		
CHANNEL FLOODPLAIN (50m corridor)		
Waterfalls > 5m high <input type="checkbox"/> Artificial open water <input type="checkbox"/> Bog <input type="checkbox"/> Other (state)		
Braided/side channels <input type="checkbox"/> Natural open water <input type="checkbox"/> Carr <input type="checkbox"/>		
Debris dams <input checked="" type="checkbox"/> Water meadow <input type="checkbox"/> Marsh <input type="checkbox"/>		
Leafy debris <input type="checkbox"/> Fen <input type="checkbox"/> Flush <input type="checkbox"/>		
P. CHOKED CHANNEL (Tick one box)		
Is 33% or more of the channel choked with vegetation? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/>		
Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10)		
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other? State		
R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)		
Descriptive sentence: Shallow + gravelly with long riffles, short runs, glide		
Plants of note: a few reeds, sheep grazing in fields on left bank -> some feeding.		
Major conservation features:		
Major impacts:		
Incidental observations (animals etc):		
S. DISEASED ALDERS (Tick one box)		
None <input type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other diseased trees? State		
SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, B120 0BB		

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 4504

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: Sx 251549 River: E. M. L. C. S. C.

Date: 25/5/1995 Time: 1520 Surveyor name: J. P. L. H. M.

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Rifles 1116 Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P-4612 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	FA	GA	FA	GA	BR	EA	ER	BR	GA	
Mat. = Material	FA	GA	FA	GA	BR	EA	ER	BR	GA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Channel substrate	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Flow type	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	FA	GA	FA	GA	BR	EA	ER	BR	GA	
Mat. = Material	FA	GA	FA	GA	BR	EA	ER	BR	GA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from FL, CP, HL, SC, SP, WL, OW, JO, TL, SU	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK-TOP (structure within 1m) L/USC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK FACE (structure) L/USC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
RIGHT BANK FACE (structure) R/USC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
RIGHT BANK-TOP (structure within 1m) R/USC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry per E (to 33% area) or F (green))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged float/linear-leaved										
Filamentous algae										

Use "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

P-4612 TL

SITE NO. 4504 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

I. LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or F if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)		E	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)	E		Suburban/urban development (SU)		E

J. BANK PROFILES (Use E (to 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composites			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predetermined box			Poached		
			Embanked		
			Set-back embankments		

K. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

L. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - free-fall			Marginal deadwater - slack		
Cascade(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Ruin(s) - flumbed, rippled			Mature island(s)		
Bolt(s) - spilling			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

P-4612 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop height (m)	0.9	1.0
Banktop width (m)	6.2	
Water width (m)	4.6	
Water depth (m)	0.25	
Embankment height (m)		

If threshold lower than banktop break in slope, indicate: height (m) width(m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 0 Roadbridges = 0 Outfalls = 0 Fords = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State: ☐

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bag <input type="checkbox"/> Other (state) <input type="checkbox"/>
	Care <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flush <input type="checkbox"/>

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: ☐

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: mostly shallow + generally. Running in a straight line, along a high bank (with some small islands) have more reinforced banks, considerable signs of erosion on left bank in places creating islands of water (see sketch). bank on right bank difficult to see (see sketch) - water with rough surface / some boulders

Major conservation features: bank on right bank difficult to see (see sketch) - water with rough surface / some boulders

Major impacts: bank on right bank difficult to see (see sketch) - water with rough surface / some boulders

Incidental observations (animals etc): Kingfisher, Dipper (see sketch) in reinforced bank

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: ☐

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAKEHAM, BH20 6BB

P-4612 TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (n/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4505
Mid-section grid reference of network site (if different from designated location):
COMPLETE THIS FOLLOWING FOR ALL SITES
Grid Reference: Sx34G596 River: R Tiddy
Date 24.5.1995 Time: 10.15 Surveyor name: J. R. H. H. H.
Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state
Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)
Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1 if then indicate total number)

Riffles 1111 9 Unvegetated point bars 1 1
Pools 1 1 Vegetated point bars

National Rivers Authority

P49121.TL

NRA RIVER HABITAT SURVEY 1995: 1 EN SPOT CHECKS Page 2

Spot check 1 is at upstream end ☐ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. = BE,BO,CO,CS,EA,FE,GC,JP,JP,JP,JP,JP,JP	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO,NO,NO,NO,NO,NO,NO,NO,NO,NO,NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO,NO,NO,NO,NO,NO,NO,NO,NO,NO,NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	NO,NO,NO,NO,NO,NO,NO,NO,NO,NO,NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type	IF,CH,FW,FW,FW,FW,FW,FW,FW,FW,FW	IF	IF	IF	IF	IF	IF	IF	IF	IF
Channel modification(s)	NO,NO,NO,NO,NO,NO,NO,NO,NO,NO,NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO,NO,NO,NO,NO,NO,NO,NO,NO,NO,NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. = BE,BO,CO,CS,EA,FE,GC,JP,JP,JP,JP,JP,JP	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO,NO,NO,NO,NO,NO,NO,NO,NO,NO,NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO,NO,NO,NO,NO,NO,NO,NO,NO,NO,NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANK OF LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BL, CP, SOH, SC, FP, WL, OW, NO, TL, SU	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK-TOP (structure within 1m) RU/SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK FACE (structure) RU/SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
RIGHT BANK-TOP (structure within 1m) RU/SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
RIGHT BANK FACE (structure) RU/SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or J (present))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)

P49121.TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or J if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or J if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Revetment		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composites			Artificial two-stage		
Use this space to draw profile if different from above, after deleting predominant box			Poached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	Associated FEATURES	None	Present E
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water - slack	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - white-water	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>

P49121.TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	7.0	
Banktop height (m)	1.6	1.1
Embanked height (m)		
Water width (m)	4.8	
Water depth (m)	0.15	
Banktop height (m)		
Embanked height (m)		
If transverse lower than banktop break in slope, indicate: height (m) width (m)		
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input type="checkbox"/>		
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)		
M. ARTIFICIAL FEATURES (Use 1 if indicate total number, tick 'none' where appropriate)		
None <input type="checkbox"/> Number of Culverts = Weirs = Outfalls = Fords =		
Is water level controlled by weir/dam downstream? No <input type="checkbox"/> Part of site <input type="checkbox"/> Most/whole of site <input type="checkbox"/>		
N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)		
dredging <input type="checkbox"/> moving <input type="checkbox"/> Other ? State		
wood-cutting <input type="checkbox"/> enhancement <input type="checkbox"/>		
O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))		
CHANNEL		
Waterfalls > 5m high <input type="checkbox"/> Artificial open water <input type="checkbox"/> Bog <input type="checkbox"/> Other (state)		
Braided/side channels <input type="checkbox"/> Natural open water <input type="checkbox"/> Carr <input type="checkbox"/>		
Debris dams <input type="checkbox"/> Water meadow <input type="checkbox"/> Marsh <input type="checkbox"/>		
Leafy debris <input type="checkbox"/> Fen <input type="checkbox"/> Flush <input type="checkbox"/>		
P. CHOKED CHANNEL (Tick one box)		
Is 33% or more of the channel choked with vegetation? NO <input type="checkbox"/> YES <input type="checkbox"/>		
Q. NOTABLE NUISANCE PLANT SPECIES (Use 1 or E)		
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other ? State		
R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)		
Descriptive statement: Little naturally free lined above first bridge for 100m spot check. Re-vegetated banks along and section. One v.l.g. island formed by splitting of channel a 70m long		
Major conservation features:		
Major impacts:		
Incidental observations (animals etc): Kingfisher - young seen in middle of reach		
S. DISEASED ALDERS (Tick one box)		
None <input type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other diseased trees? State		
SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB		

P49121.TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 4506

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: S4421 S19 River:

Date: 11/1/1995 Time: 08:00 Surveyor name: J.P. Sullivan

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

G. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☒ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIPPLES, POOLS AND POINT BARS (Use 1H then indicate total number)

Ripples 1H 1111 Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P49421 TL

NRA RIVER HABITAT SURVEY 1995: SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (Tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material ? = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ BE,BO,CO,CL,LA,FE,CL,CC,JP,WP,GA,RR,RR,RR	BR	EP	EP	BR	RR	RR	RR	RR	RR	RR
Bank modification(s) NO,BS,SL,FC,MLEM	R1	R1	R1	R1	R1	R1	R1	R1	R1	R1
Bank feature(s) NO,NO,EC,SC,FR,VP,JP,JP	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate ¹ NO,BO,CO,CP,SL,SL,CL,LA	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type ¹ IT,CH,AW,WP,CP,JP,JP,JP,JP,JP,JP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s) NO,NO,EC,SC,FR,VP,JP,JP	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) NO,BO,CO,CP,SL,SL,CL,LA	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ BE,BO,CO,CL,LA,FE,CL,CC,JP,WP,GA,RR,RR,RR	BR	EP	EP	BR	RR	RR	RR	RR	RR	RR
Bank modification(s) NO,BS,SL,FC,MLEM	R1	R1	R1	R1	R1	R1	R1	R1	R1	R1
Bank feature(s) NO,NO,EC,SC,FR,VP,JP,JP	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BL, CP, SH, SC, EP, WL, OV, IG, TL, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
LEFT BANK-TOP (structure within 1m) BL/SC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BL/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BL/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BL/SC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (in 33% area) or G (green))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or G)

P49421 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or G (if present))

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coarse/lowland (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 33% banklength) or G (if present))

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/unmodified			Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Reinforced two-stage		
Use this space to draw profile of different bank types, other than predominant box			Poached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - freefall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water - slack	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Beil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>
Glides(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>

P49421 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCE Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably upstream of riffle)

	Banktop width (m)	Water width (m)	Banktop height (m)	Water depth (m)	Embankment height (m)
LEFT BANK	1.7	1.4	1.4	0.6	0.55
RIGHT BANK					

If threshold lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (1H:1V)

M. ARTIFICIAL FEATURES (Use 1H to indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 4 Weir = 113 Outfalls = 1 Fords = 1

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ moving ☒ Other? St. 1

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	Other
Waterfalls > 5m high	Artificial open water	Dog
Braided/wide channels	Natural open water	Carr
Debris dams	Water meadow	Marsh
Leafy debris	Fen	Flush

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1H to indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Sals

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Small, steep, stream with artificial bank for most of length. Top 50m is now natural, rippled.

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARE

P49421 TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source (km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 4509
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: SY 770587 River: Howbourn
Date: 15/1/1995 Time: 16.00 Surveyor name: J. Blackburn
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☒ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/10 then indicate total number)

Riffles 11 11 11 11 Unvegetated point bars 1
Pools 11 (3) (18) Vegetated point bars 11 2

National Rivers Authority

P-4912 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material ¹ = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ BE, FO, CO, GS, LA, FE, CL, CC, SP, ST, GA, BA, SE, BW	BR	EN	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NO, ST, R, PC, BA, EN	R	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) SK, NO, SC, SC, ST, ST, ST	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate ¹ NY, BE, FO, CO, GP, ST, CL, CR	GP	CO	CO	CO	BE	GP	GP	CO	CO	CO
Flow type ¹ FF, CH, RW, LW, CF, RP, SP, SM, SP, NO	FF	RP	SM	SM	SM	SM	SM	SM	SM	RP
Channel modification(s) SK, NO, CV, BA, ST, GA, FO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) NO, BA, ST, ST, ST, ST	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ BE, FO, CO, GS, LA, FE, CL, CC, SP, ST, GA, BA, SE, BW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NO, ST, R, PC, BA, EN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) SK, NO, SC, SC, ST, ST, ST	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BL, CP, MH, SC, RP, VL, GW, ST, TL, ST, L										
LAND USE WITHIN 5m OF BANKTOP (L)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
LEFT BANK-TOP (structure within 1m) BA, SC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BA, SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BA, SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BA, SC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or / (green))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs ¹ DAN, LA										
Emergent reeds/sedges/rushes ¹ PH, LA, LA, LA										
Flowering-leaved (rooted)										
Free-floating										
Amphibious ¹ P, LA, LA										
Submerged broad-leaved ¹ LA, LA, LA										
Submerged fine-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

P-4912 TL

SITE NO. 4509 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WZ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)	E	E	Suburban/urban development (SU)		

III. BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

Use this space to draw profile if different from above, after taking predetermined bar

IV. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present E
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

V. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rune(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Glides(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>

P-4912 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight in-form section, preferably across a riffle)

LEFT BANK	Banktop width (m)	6.8	RIGHT BANK	
Banktop height (m)	0.55	Water width (m)	6.0	Banktop height (m)
Embanked height (m)		Water depth (m)	0.08	Embanked height (m)

If embankment lower than banktop break in slope, indicate height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFR only)

M. ARTIFICIAL FEATURES (Use 1/10 to indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Footbridges = 1 Weirs = Roadbridges = Outfalls = Fords = Other =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ moving ☐ Other? State
wood-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL
Waterfalls > 5m high ☐ Artificial open water ☒
Bridled/rhine channels ☐ Natural open water ☒
Debris dams ☐ Water meadow ☐
Leafy debris ☐ Fen ☐

FLOODPLAIN (50m corridor)
Artificial open water ☐ Bog ☐ Other (state)
Natural open water ☒ Carr ☐
Water meadow ☐ Marsh ☐
Fen ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/10 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: Tree-lined riffle - run/glide with few pools on banks, short section with exposed bedrock
Plants of note:
Major conservation features:
Major impacts:
Incidental observations (animals etc): Dipped grey wigs

S. DISEASED ALDERS (tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO RICH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6DB

P-4912 TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 4510

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: S411 554 River: R WASH

Date 1.6.1995 Time: 11.00 Surveyor name: J. P. G. G. G.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIPPLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Ripples 1/11 15 Unvegetated point bars 1/11 4

Pools 1/11 6 Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Stat. = Material = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Stat. 1	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	PC	NO	NO	NO	PC	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	VS
CHANNEL										
Channel substrate	GP	SI	GS	SI	GP	SI	SI	SI	GP	
Flow type	AW	WP	BN	NI	AW	RP	SM	SM	SM	AW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Stat. 1	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, HL, SC, RP, WL, OW, DG, TL, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
LEFT BANK-TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BAUSC	B	S	S	S	B	S	S	B	S	S
RIGHT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (to 33% area) or F (greater))

	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/bulrushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

249-21.1L

249-21.1L

SITE NO. 4510 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or F (greater))

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		E
Moorland/heath (MH)			Improved/semi-improved grass (IG)	F	E
Scrub (SC)			Tilled land (TL)		
Pough pasture (PP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (to 33% banklength) or F (greater))

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut	2	2	Recessed		
Vertical + toe	2	2	Reinforced - whole bank	2	2
Steep (> 45°)	2	2	Reinforced - top only		
Oscillate			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking perpendicular line			Paired		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
None	Present E	None	Present E
Isolated/scattered	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
		Coarse woody debris	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None		Present E		None		Present E	
Waterfalls - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rum(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Major island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	2.6	RIGHT BANK	
Banktop height (m)	0.5	Water width (m)	2.1	Banktop height (m)
Embanked height (m)		Water depth (m)	0.06	Embanked height (m)
If tranchline lower than banktop break in slope, indicate height (m) width(m)				
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>				
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)				
M ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick "none" where appropriate)				
None <input type="checkbox"/> Number of Culverts = Weirs = 2 Outfalls = 11 Fords = 4				
Is water level controlled by weir/dam downstream? No <input type="checkbox"/> Part of site <input checked="" type="checkbox"/> 20% Most/whole of site <input type="checkbox"/>				
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)				
dragging <input type="checkbox"/> weed-cutting <input type="checkbox"/> moving <input type="checkbox"/> enhancement <input type="checkbox"/> Other ? State				
O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))				
CHANNEL Waterfalls > 5m high <input type="checkbox"/> FLOODPLAIN (50m corridor) Artificial open water <input checked="" type="checkbox"/> Dog <input type="checkbox"/> Other (state)				
Bridges/side channels <input type="checkbox"/> Natural open water <input type="checkbox"/> Carr <input type="checkbox"/>				
Debris dams <input type="checkbox"/> Water meadow <input type="checkbox"/> Marsh <input type="checkbox"/>				
Lushy debris <input type="checkbox"/> Fen <input type="checkbox"/> Flush <input type="checkbox"/>				
P CHOKED CHANNEL (Tick one box)				
Is 33% or more of the channel choked with vegetation? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				
Q NOTABLE NUISANCE PLANT SPECIES (Use 1/11 or E)				
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other ? State				
R BRIEF DESCRIPTION (Use prompts and key words as appropriate)				
Descriptive sentence: Shrub + scrubby in lower 250m with pools +				
Facts of note: with runs of sink into upstream straight (classified) + probably dredged in past (light embankment on left)				
Major conservation features: Two rivers holding back water (to supply food fish)				
Major impacts:				
Incidental observations (animals etc):				
S DISEASED ALDERS (Tick one box)				
None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other diseased trees? State				

249-21.1L

249-21.1L

NRA RIVER HABITAT SURVEY 1995: Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 4515
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: S 4 6 6 4 4 3 River: Tilt 3 Area
Date 31.5.1995 Time: 16.10 Surveyor name J. Blackburn
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☒ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 1-11 14 Unvegetated point bars
Pools Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

1st. = Material 2 = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. 1	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB
Bank feature(s)	VS	NB	NB	NB	NB	NB	NB	NB	NB	NB
CHANNEL										
Channel substrate 1	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Flow type 1	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB
Channel feature(s)	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB
RIGHT BANK										
Mat. 1	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB
Bank feature(s)	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from PL, CP, NH, SC, RP, WL, OW, H, TL, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	14	14	14	14	14	14	14	14	14	14
LEFT BANK-TOP (structure within 1m) B/R/S/C	C	C	C	C	C	C	C	C	C	C
LEFT BANK FACE (structure) B/R/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) B/R/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) B/R/S/C	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	14	14	14	14	14	14	14	14	14	14
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or / (present))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs (e.g. Cuckoo, Cowslip)										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious (e.g. Lythrum)										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

P4472 TL

P4472 TL

SITE NO. 4515 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

I LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WT)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	E
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		E

J BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut			Rescoured		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predominant box			Peached		E
			Embanked		
			Set-back embankments		

K EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
Left	Right	E ≥ 33%	None Present E
None		Shading of channel	
Isolated/scattered		Overhanging boughs	
Regularly spaced, single		Exposed bankside roots	
Occasional clumps		Underwater tree roots	
Semi-continuous		Fallen trees	
Continuous		Coarse woody debris	

L EXTENT OF CHANNEL FEATURES (Tick one box per feature)

WATERFALLS		MARGINAL DEADWATER	
None Present E	None Present E	None Present E	None Present E
Waterfall(s) - freefall		Shaded deadwater - slack	
Cascade(s) - chute		Exposed bedrock	
Step/pool sequence		Exposed boulders	
Rapid(s) - whitewater		Unvegetated mid-channel bars	
Riffle-pool sequence		Vegetated mid-channel bars	
Rum(s) - disturbed, rippled		Mature island(s)	
Boil(s) - upwellings		Unvegetated side bars	
Glides(s) - smooth, no eddies		Vegetated side bars	

P4472 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Banktop width (m)	Water width (m)	Banktop height (m)	Water depth (m)	Embankment height (m)
LEFT BANK	2.25	1.25	0.35	0.1	
RIGHT BANK					

If threshold lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =
Footbridges = Part of site ☐ Other (tick one box) Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input checked="" type="checkbox"/>
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Bog <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flush <input type="checkbox"/>

P CROOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-11)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Top 150m densely shaded with morning woodland on right bank. More open further down (see sketch on right) grazed by cattle. 50% of flow diverted by major conservation features: large stone dam through bank into garden on left side. Major impacts: reduced water for ponds etc at 350m A/S. Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6RB

P4472 TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 4516

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: Sx 764 484 River: Small brook

Date 1.16.1995 Time: 09.15 Surveyor name: J. R. Lewis

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☒ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-4 then indicate total number)

Riffles 14 Unvegetated point bars

Pools 25 Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☐ at site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. = Material	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA
Bank modification(s)	PC	NO	NO	PC	NO	NO	NO	NO	NO	PC
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	GP	GP	CO	CO	GP	GP	CO	CO	GP	GP
Flow type	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. = Material	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA
Bank modification(s)	PC	NO	NO	PC	NO	NO	NO	NO	NO	PC
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from EL, CP, SH, SC, SP, VL, GP, NO, TL, SU	SC	VL	GA	GA	GA	GA	GA	GA	GA	GA
LAND USE WITHIN 5m OF BANKTOP (L)	SC	VL	GA	GA	GA	GA	GA	GA	GA	GA
LEFT BANK-TOP (structure within 1m) BUDIC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BUDIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BUDIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BUDIC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	VL	GA	GA	GA	GA	GA	GA	GA	GA
G CHANNEL VEGETATION TYPES (to be assessed in relevant boxes with one entry per E (≥ 33% area) or G (present))										
NONE (tick as appropriate)										
Upriver/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/rushes/grasses										
Floating-leaved (free) (submerged)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or G)

SITE NO. 4516 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or G if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or G if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predominant box			Peached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present
None			E ≥ 33%		
Isolated/scattered			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Semi-canopied			Underwater tree roots		
Canopied			Fallen trees		
			Coarse woody debris		

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - free-fall			Marginal deadwater - silt		
Cascade(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Run(s) - disturbed, rippled			Mature island(s)		
Boil(s) - upwellings			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	1.65	RIGHT BANK	
Banktop height (m)	0.35		Banktop height (m)	0.35
Embankment height (m)			Embankment height (m)	
Water depth (m)	0.2		Water depth (m)	
Channel width (m)			Channel width (m)	
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>				
Location of measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)				
M ARTIFICIAL FEATURES (Use 1-4 then indicate total number, tick 'none' where appropriate)				
None <input type="checkbox"/> Number of Culverts = <input type="checkbox"/> Weirs = <input type="checkbox"/> Outfalls = <input type="checkbox"/> Fords = <input type="checkbox"/>				
Is water level controlled by weir/dam downstream? No <input type="checkbox"/> Part of site <input type="checkbox"/> Most/whole of site <input type="checkbox"/>				
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)				
dredging <input type="checkbox"/> mowing <input type="checkbox"/> Other ? State				
weed-cutting <input type="checkbox"/> enhancement <input type="checkbox"/>				
O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))				
CHANNEL			FLOODPLAIN (50m corridor)	
Waterfalls > 5m high <input type="checkbox"/>			Artificial open water <input type="checkbox"/>	
Braided/wide channels <input type="checkbox"/>			Natural open water <input type="checkbox"/>	
Debris dams <input type="checkbox"/>			Water meadow <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>			Marsh <input checked="" type="checkbox"/>	
			Flood <input type="checkbox"/>	
P CHOKED CHANNEL (Tick one box)				
Is 33% or more of the channel choked with vegetation? NO <input type="checkbox"/> YES <input type="checkbox"/>				
Q NOTABLE NUISANCE PLANT SPECIES (Use 1-4)				
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other ? State <u>Rhododendron</u>				
R BRIEF DESCRIPTION (Use prompts and key words as appropriate)				
Descriptive sentence: <u>small stream with fast flowing water</u>				
Plants of note: <u>grasses + reeds but with silted banks in places + a few small bushes</u>				
Major conservation features: <u>rough pasture / marsh with some + some</u>				
Major impacts: <u>run of right bank with broad silted north</u>				
Incidental observations (animals etc): <u>beaver at downstream end of reach more heavily grazed on left bank but silted in places</u>				
S DISEASED ALDERS (Tick one box)				
None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other diseased trees? State				

